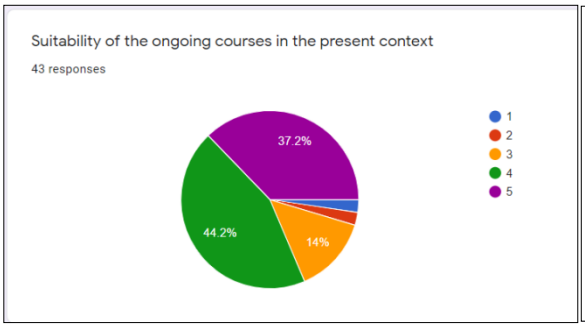
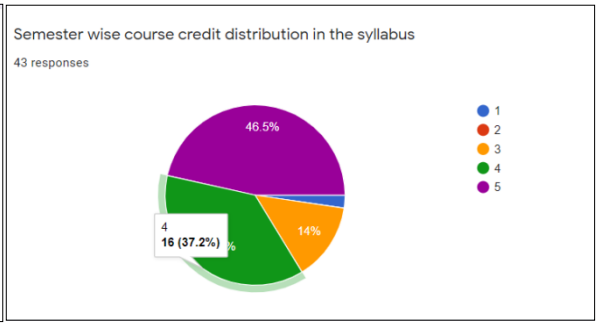
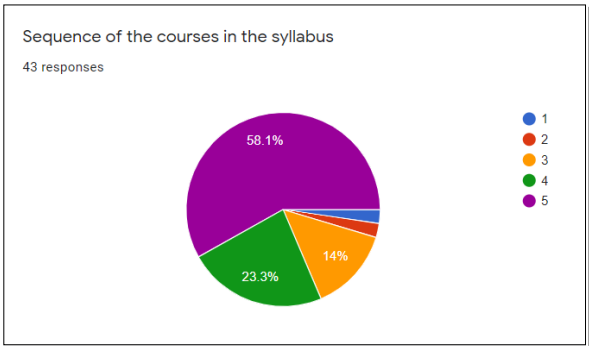
Alumni Feedback on Curriculum & Analysis: 2021

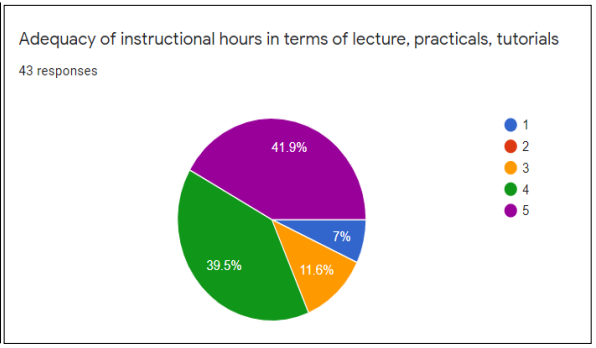
Department of Mechanical Engineering, Tezpur University

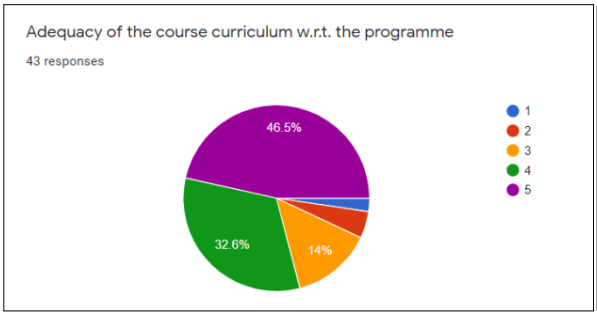
The feedbacks on curriculum are collected from the alumni of our department. The data is based on the inputs shared by our passed out B. Tech, M.Tech and PhD students from the year 2016 to 2021. The inputs were recorded based on various criteria on a scale of (1-5) with 1 being the lowest and 5 being the highest and is represented in terms of pie diagram below.

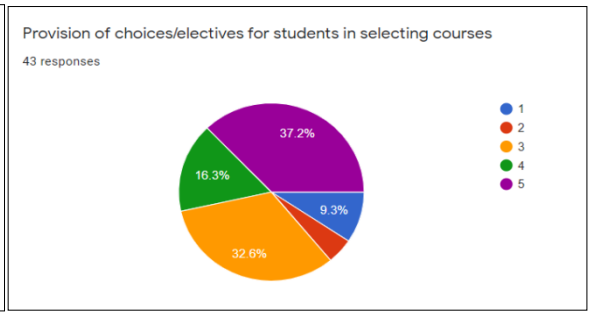












Based on the observations made, the curriculum has received good response quantitatively. The provision of elective courses, practical in the curriculum found to be at par the learning outcomes.

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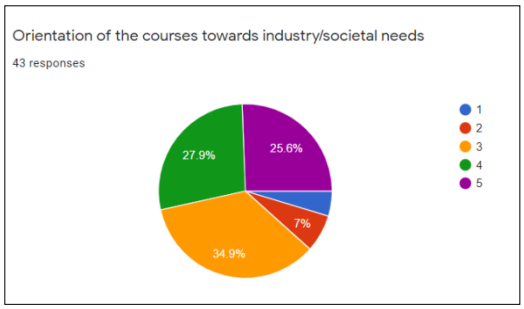

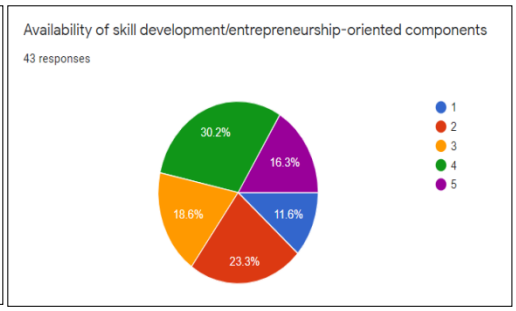

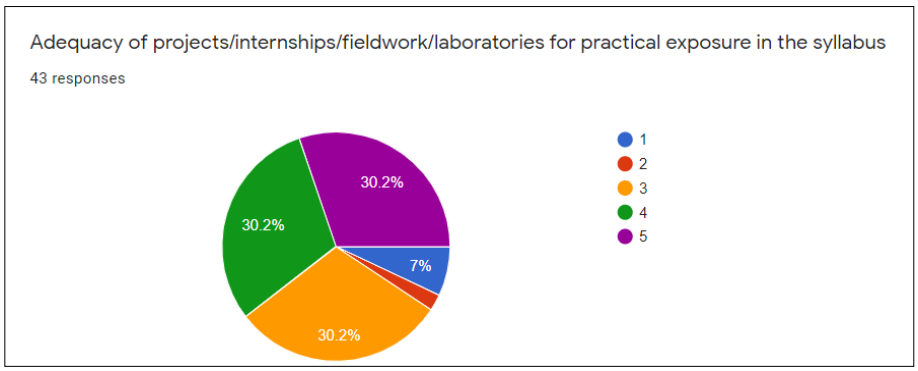

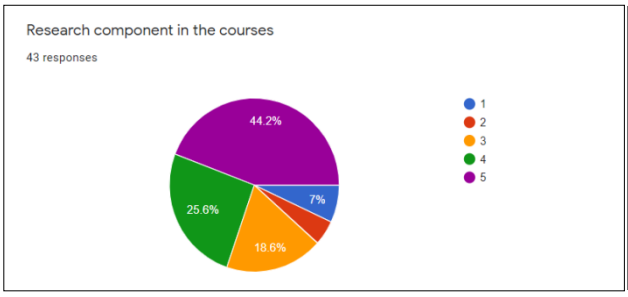

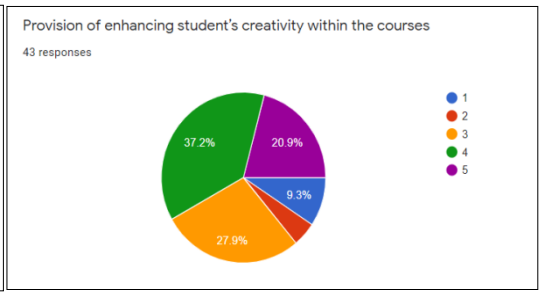

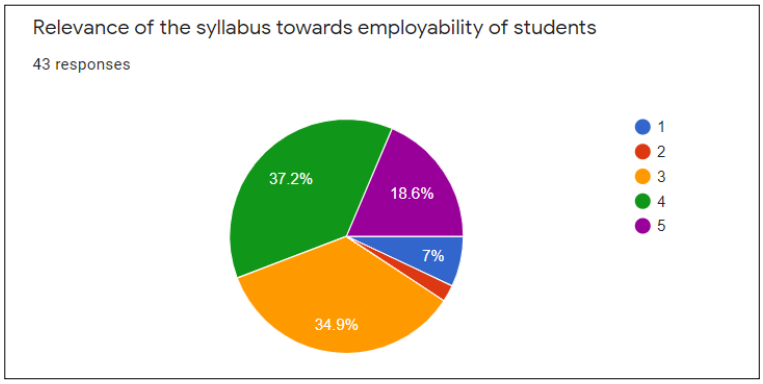

Based on the above depicted charts, it is observed that the alumni feel that the curriculum needs some improvement in the area of skill-based learning and industry-oriented exposure. For this, our department has taken initiatives to introduce subjects like Computer aided engineering, manufacturing technology, basic and advanced workshop practice, computer aided design and manufacturing, robotics and projects etc. These subjects help students enhance their practical skills.

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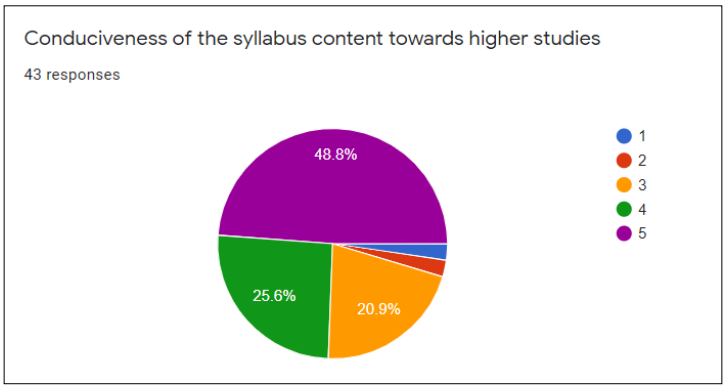

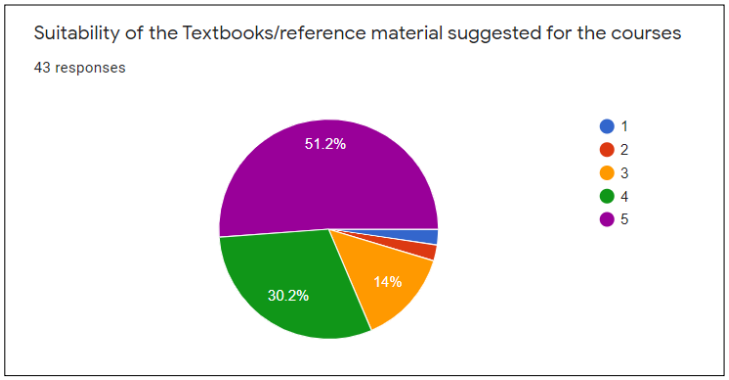

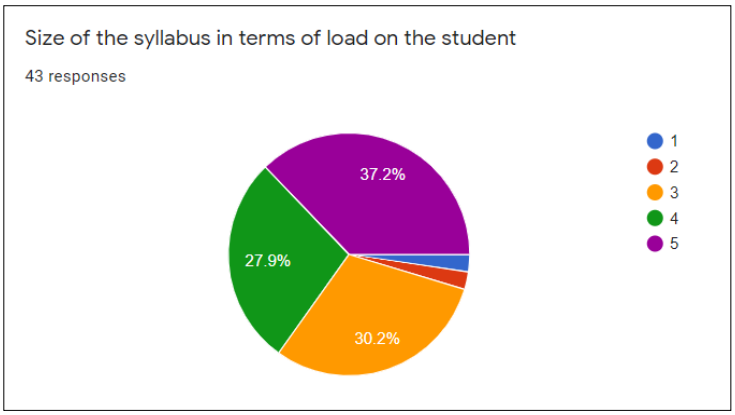

Many of our alumni has joined IITs, IIMs and other premier institutes for their higher studies and found the contents of the curriculum suitable as it helped them to pursue higher studies and carry out research based project works.

Any topic/topic(s) suggested to be included in the syllabus:

The alumni were given provision to put forward their valuable suggestions to improve the curriculum content which may ultimately help the students in their job live sustainability.

The points are highlighted below:

1. Interactions from industry persons to talk about their real-life challenges.
2. Interdisciplinary learning like machine learning, data science, software exposure.
3. Some exposure to soft skill, entrepreneurship, personality development.

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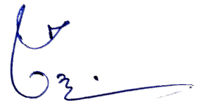
4. Advanced topics like Smart manufacturing, additive manufacturing.
5. Internship facility in the industry.
6. Classes/ tutorials for competitive examinations.
7. Online classes on career counselling from established career counsellors.
8. Constant touch of placement cell with the outgoing batches.

The department has taken initiatives to improve the quality of students with the following measures:

1. Introduction of new elective courses
2. Provision of internships after the end of B. Tech. 6th semester.
3. Provision to allow 3rd semester M. Tech. Students to carry out projects at industry.
4. Remedial classes or classes for preparing students for competitive examinations.
5. Invited lectures by experts from industry
6. Allowing students to join MOOCs courses from SWAYAM platform.

Future Scope of improvement: There is scope of improvement in the curriculum and as suggested, more skill based and industry oriented courses may be considered to offer those as electives. There is also scope for improvement in building a more effective Alumni network and arranging regular talk by distinguished alumni.



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