



SUPPORTING DOCUMENTS

AQAR: 2022-23

1.4.1

Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders

1. Students
2. Teachers
3. Employers
4. Alumni

Attachment: [Action Taken Report on Feedback](#)



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Criteria – I – Curricular Aspects

Summary of the Feedback Analysis & Action Taken Report (Academic Year 2022-23)



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ACADEMIC YEAR
2022-23
(ODD SEMESTER)



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Feedback summary on Curriculum Collected from Different Stakeholders

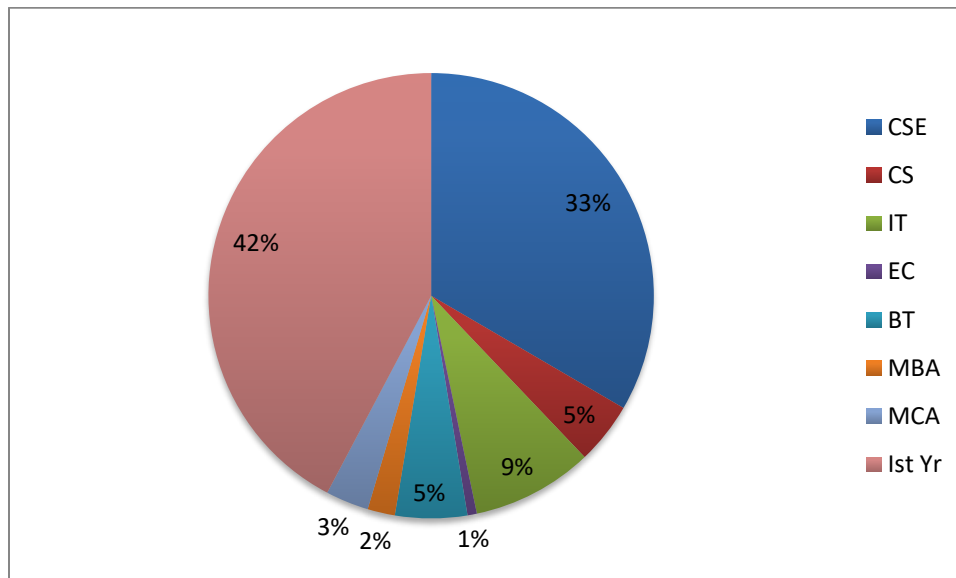
SESSION – 2022-23 (Odd Semester)

IMS Engineering College has always given due importance to the feedback collected from its different stakeholders. It includes Students, Faculties, Employers, and Alumni.

The IQAC has decided to conduct feedback from these stakeholders on the curriculum each semester to analyse the response and modify and implement various policies accordingly. The change is made to ensure better analysis and effective implementation of the results.

Students Feedback:

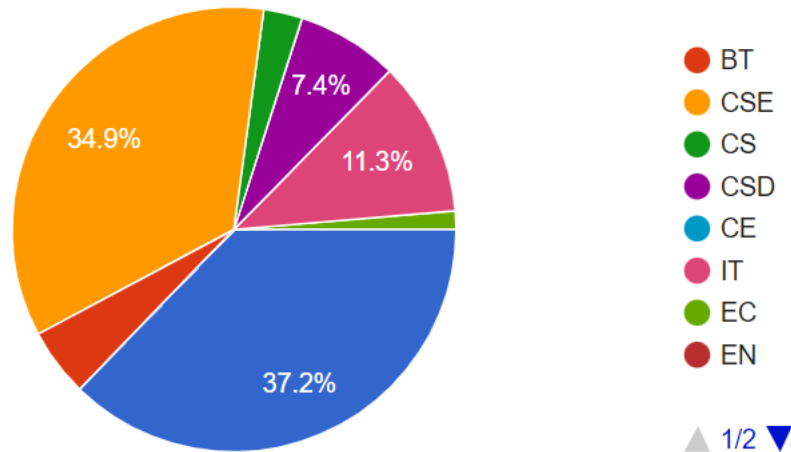
We have collected feedback from our students of different branches for the session 2022-23 Odd Semester. Total 1760 students of different departments participated in the feedback and responded to a variety of questions.





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A total of 740 first-year responses were collected. These students have been admitted to different branches; however, in the first year of B.Tech, they have common subjects and laboratory classes. About 35% of the responses were from students in the CSE branch, and more than 11% were from IT students.



The feedback form uses a five-point Likert scale to capture respondents' attitudes and views. Here, respondents are asked to express their level of agreement with each question on a scale of 1 to 5, with 1 being the highest level of disagreement and 5 being the level of complete agreement. Students were asked to provide feedback in an unbiased manner consistent with their experience.

Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	37.4	31.0	18.0	9.1	4.5
2	Well defined Objectives and Outcomes	35.5	29.7	19.8	10.2	4.6

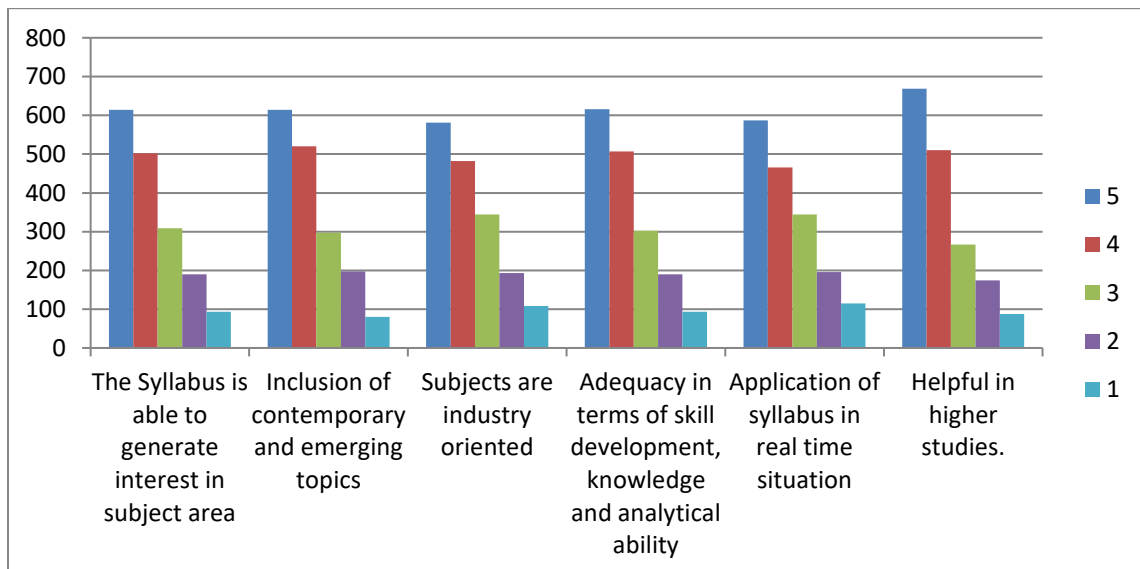
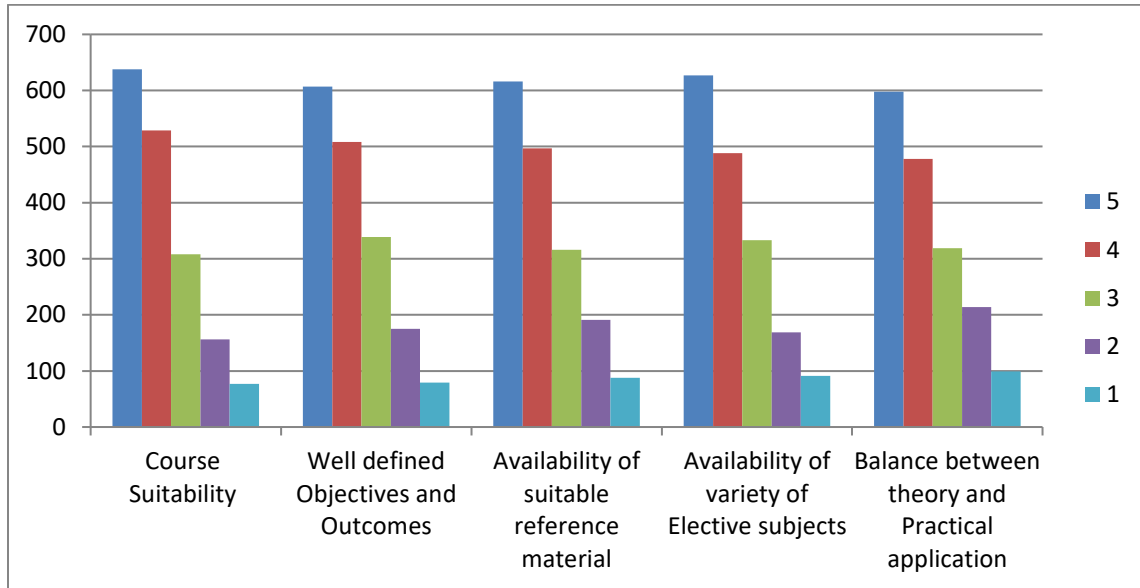


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3	Availability of suitable reference material	36.1	29.1	18.5	11.2	5.2
4	Availability of variety of Elective subjects	36.7	28.6	19.5	9.9	5.3
5	Balance between theory and Practical application	35.0	28.0	18.7	12.5	5.8
6	The Syllabus is able to generate interest in subject area	35.9	29.4	18.1	11.1	5.4
7	Inclusion of contemporary and emerging topics	35.9	30.4	17.4	11.5	4.7
8	Subjects are industry oriented	34.0	28.2	20.1	11.3	6.3
9	Adequacy in terms of skill development, knowledge and analytical ability	36.1	29.7	17.7	11.1	5.4
10	Application of syllabus in real time situation	34.4	27.3	20.1	11.5	6.7
11	Helpful in higher studies.	39.2	29.9	15.6	10.2	5.2



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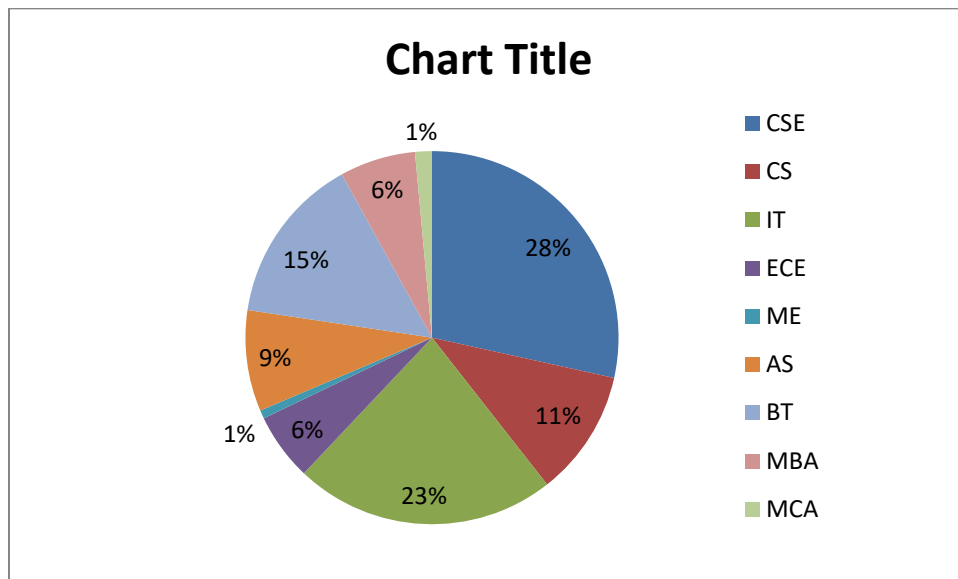
Analysis

- Majority of students felt that the objectives were clear for each course and satisfied by the availability of reference material available on the college portal and other readily available sources.
- Most of the students are satisfied with the availability of elective subjects and find the curriculum helpful in their higher studies.
- More than 75% of students believe that the concepts and topics covered in curriculum can be applied in real life situations. They also find the curriculum industry oriented; although few suggestions were made to bridge gap between industry and academics.
- Students suggested the more usage of ICT devices to make lecture more visual.
- Few students also suggested that special classes should be arranged for preparation of competitive exams.



Faculty Feedback:

The institute collected feedback from the faculty members of the institute regarding curriculum for the session 2022-23 Odd Semester. A total of more than 136 faculties provided their feedback and gave valuable suggestions. The institute encouraged all the faculty members to provide their suggestions regarding curriculum and its transaction.



The responses received from faculties were analysed and suggestions were implemented to improve the overall curriculum delivery and its effectiveness.

Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	60.0%	32.6%	5.3%	0.0%	3.2%
2	Well defined Objectives and Outcomes	50.5%	42.1%	5.3%	1.1%	2.1%

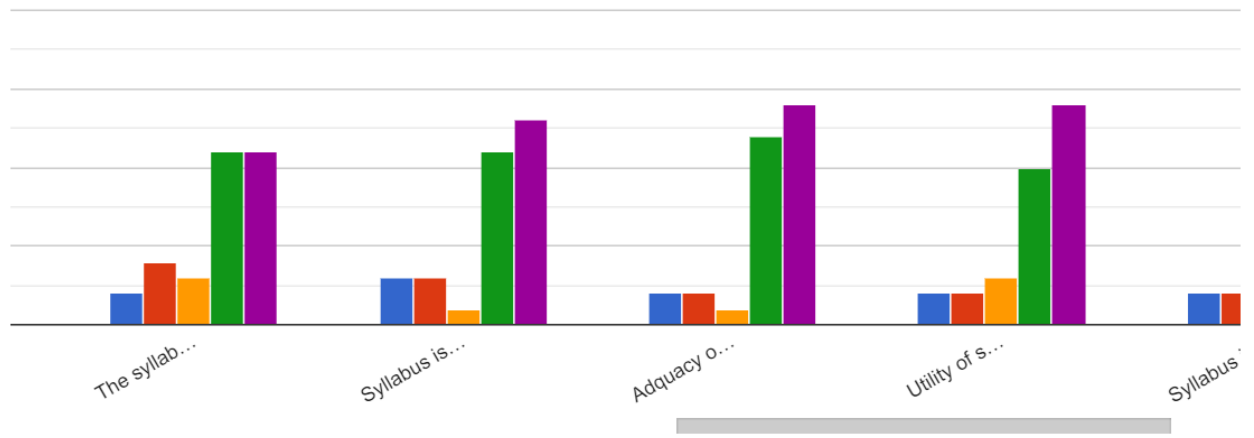
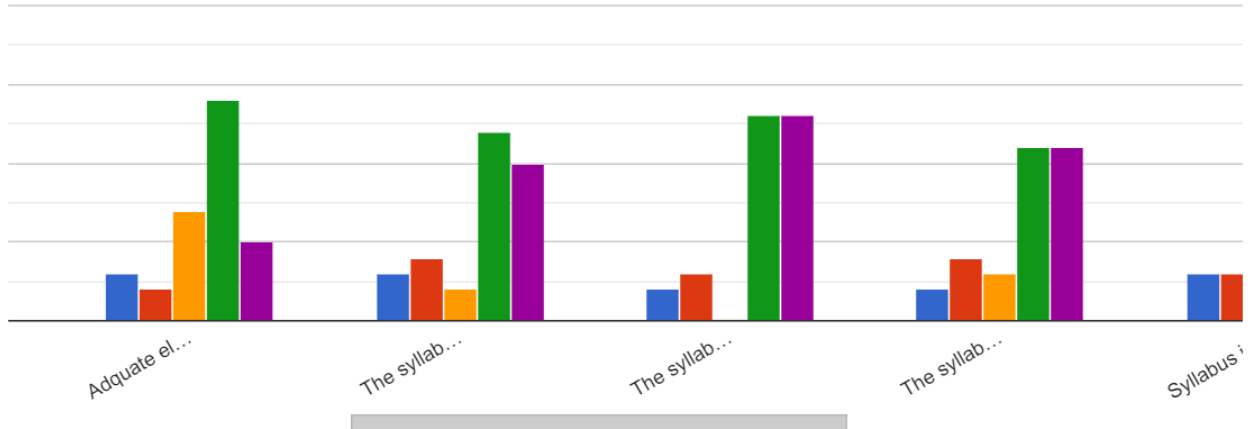
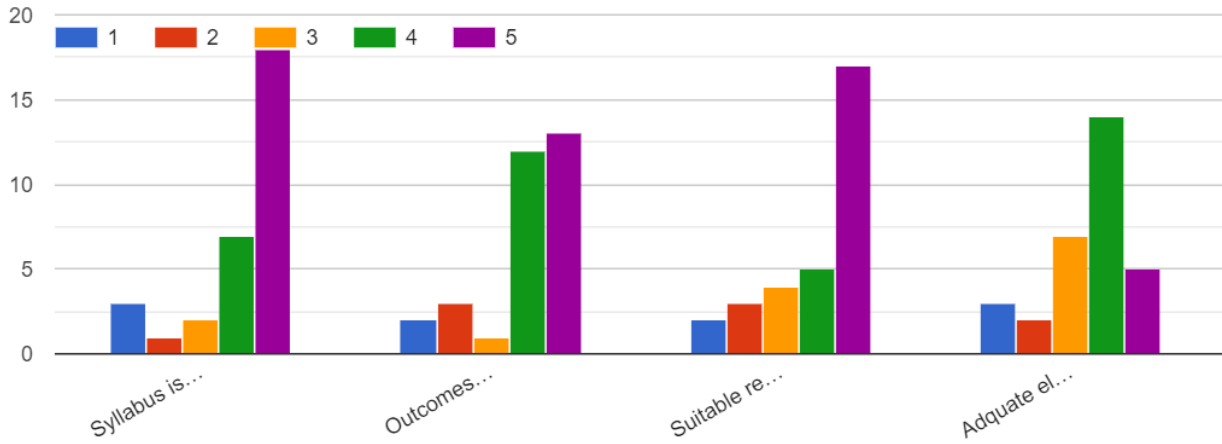


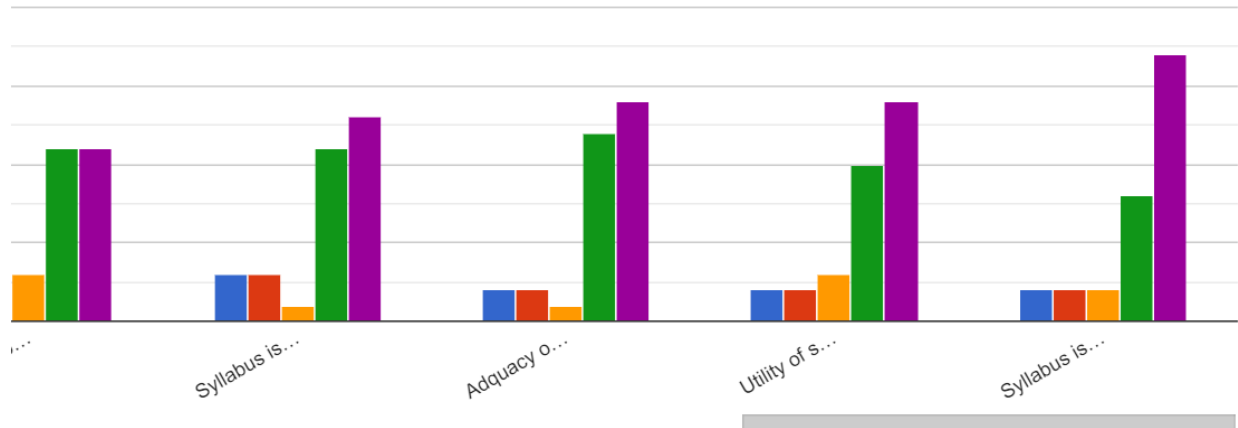
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3	Availability of suitable reference material	49.5%	38.9%	5.3%	4.2%	3.2%
4	Availability of variety of Elective subjects	27.4%	45.3%	5.3%	4.2%	3.2%
5	Balance between theory and Practical application	34.7%	40.0%	16.8%	6.3%	3.2%
6	The Syllabus is able to generate interest in subject area	50.5%	37.9%	7.4%	2.1%	3.2%
7	Inclusion of contemporary and emerging topics	41.1%	33.7%	20.0%	4.2%	2.1%
8	Subjects are industry oriented	35.8%	41.1%	14.7%	6.3%	3.2%
9	Adequacy in terms of skill development, knowledge and analytical ability	46.3%	41.1%	7.4%	4.2%	4.2%
10	Application of syllabus in real time situation	52.6%	27.4%	14.7%	3.2%	3.2%
11	Helpful in higher studies.	55.8%	30.5%	10.5%	1.1%	3.2%



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Analysis:

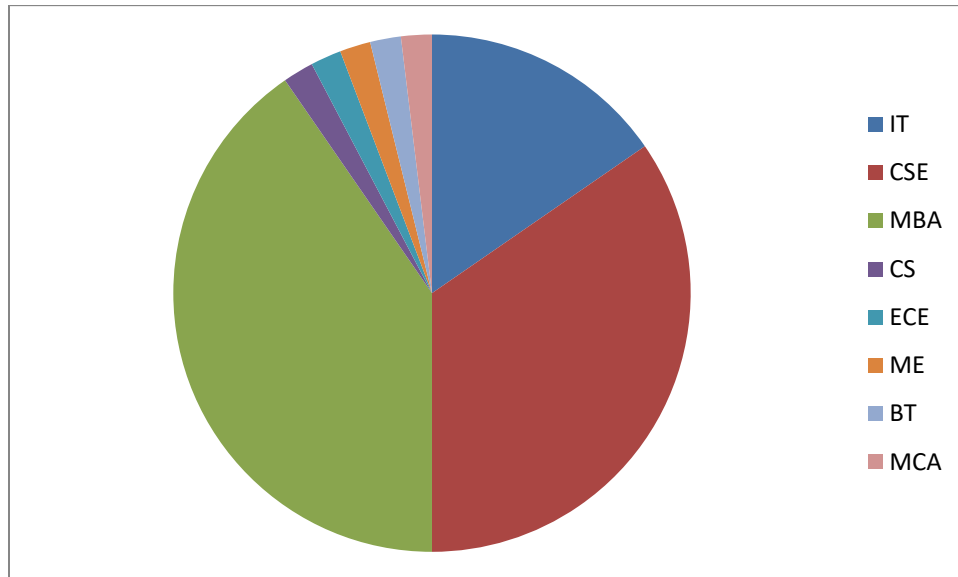
- Majority of the faculties across all streams consider the curriculum satisfactory for fulfilling the industry needs and helpful in higher studies.
- Many faculties recommended the inclusion of industry oriented topics in the curriculum.
- The faculties also recommended to make syllabus concise and obsolete topics should be included from the syllabus.
- The faculties from Bio-Technology department recommend including the usage and knowledge of IT related medical devices used now days.
- The repetition of topics in different year or different subjects from the same year should be avoided.
- The faculties of CSE and CS department recommended the inclusion of cloud computing lab in the curriculum.



Alumni Feedback:

The institute has an extensive network of alumni managed by our experience alumni cell. The institute tries to be in contact of its alumni on regular basis. The institute contacted their alumni to provide their feedback on the effectiveness of the curriculum and invited their suggestion for improvement.

More than 50 alumni across various streams provide their valuable feedback and suggestions to improve the curriculum.



The responses received from alumni were analysed and suggestions were implemented to improve the overall curriculum delivery and its effectiveness.

Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus is suitable for the course	19.1%	29.8%	19.1%	17.0%	14.9%
2	Outcomes and objectives of the syllabi are well	19.1%	29.8%	14.9%	14.9%	21.3%

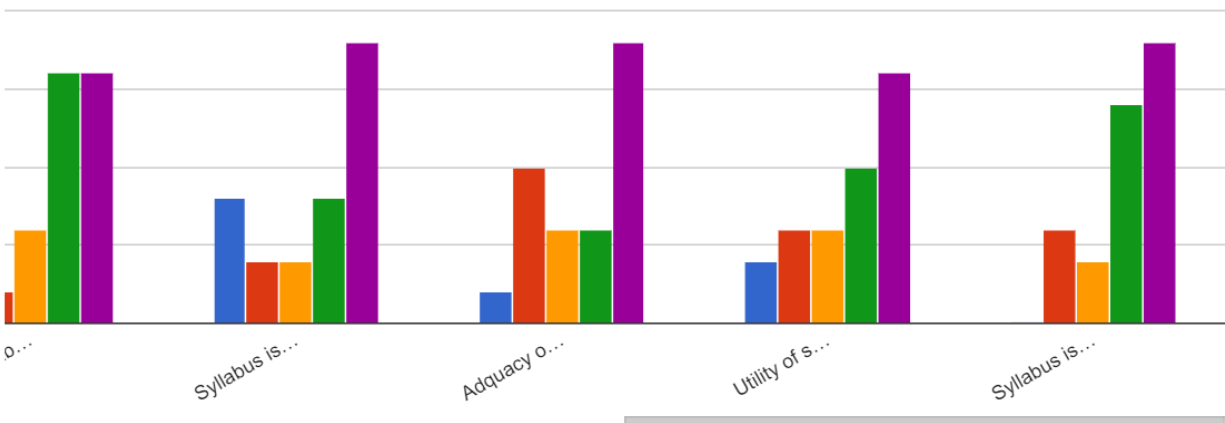
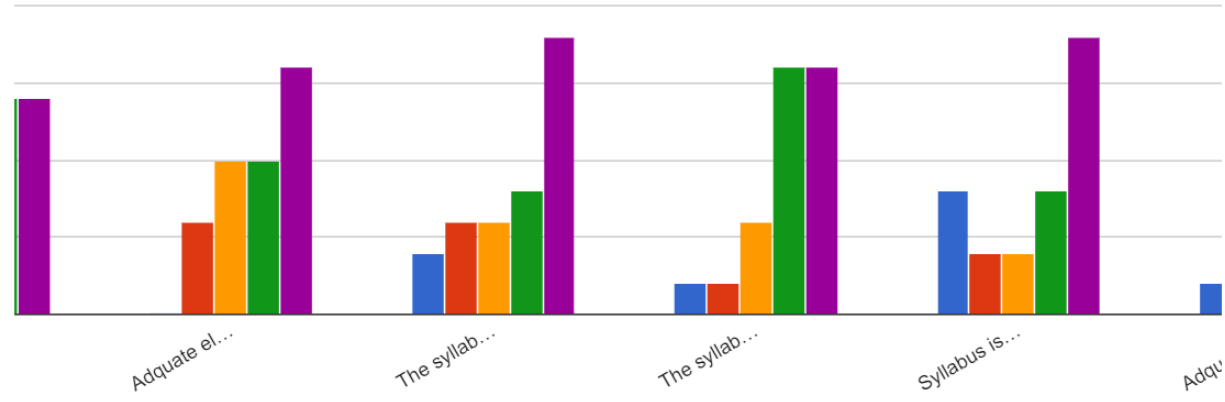
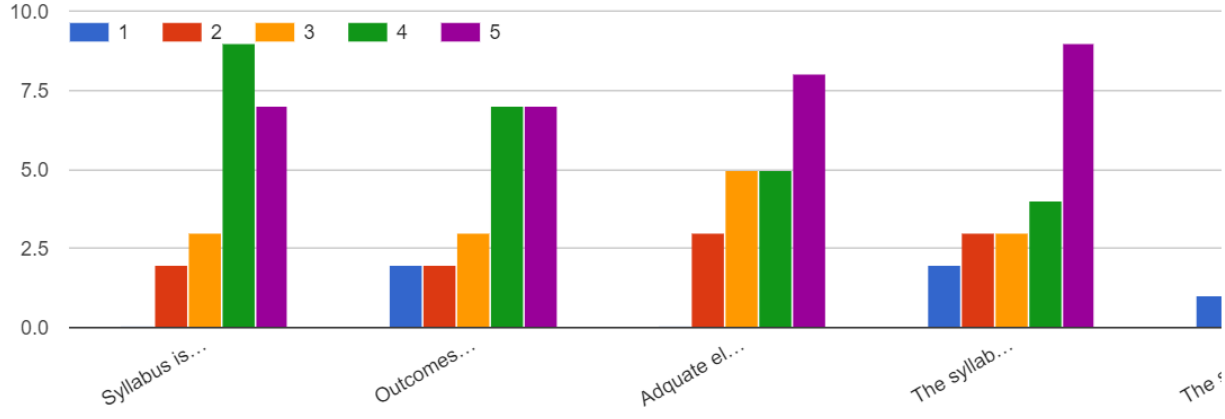


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	defined and clear to the students.					
3	Adequate elective subjects were available	23.4%	14.9%	31.9%	14.9%	14.9%
4	The syllabus maintains a good balance between theory and practical/application.	25.5%	8.5%	23.4%	21.3%	21.3%
5	Inclusion of contemporary and emerging topics	21.3%	23.4%	17.0%	19.1%	19.1%
6	Subjects are industry oriented	23.4%	10.6%	17.0%	19.1%	29.8%
7	Adequacy in terms of skill development, knowledge and analytical ability	25.5%	12.8%	21.3%	19.1%	21.3%
8	Application of syllabus in real time situation	21.3%	14.9%	19.1%	25.5%	19.1%
9	Helpful in higher studies.	27.7%	21.3%	21.3%	19.1%	10.6%



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Analysis

- Majority of alumni stressed on enhancing technical capabilities of students by including various real time projects and industrial training in curriculum.

- They also suggest on deciding niche technologies in early stages of curriculum and providing labs and subjects based on the choice.

- Many alumni also suggested giving more emphasis on enhancing core technical skills for the students.

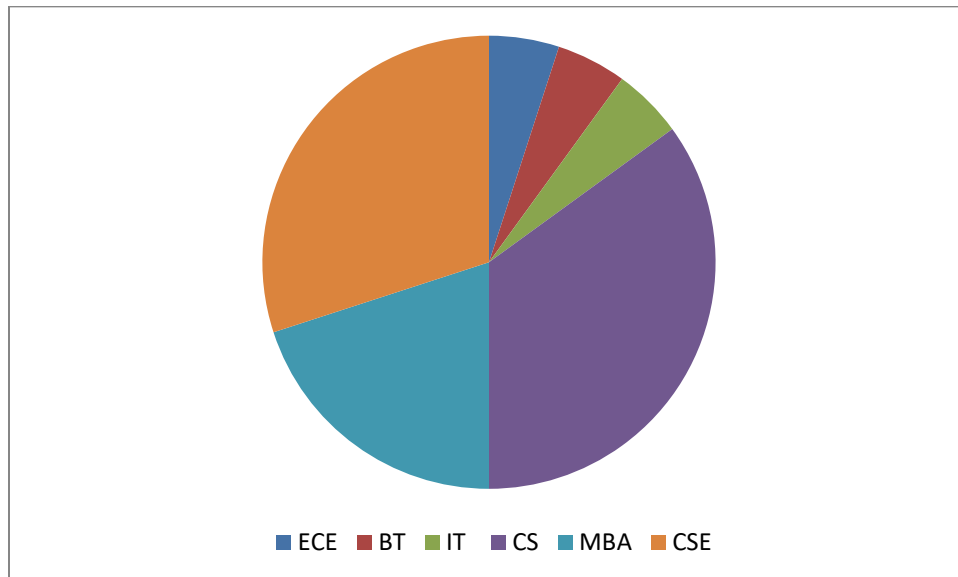
- More opportunities should be generated for student industry interaction such as industrial visits.



Employer Feedback:

The institute has large and effective connect with potential employers (Companies) through its Training and Placement Cell (TPC). The institute invited the feedback of these companies regarding the effectiveness of the university curriculum.

The potential employers of different streams were contacted and their feedback and suggestions on curriculum were sought.

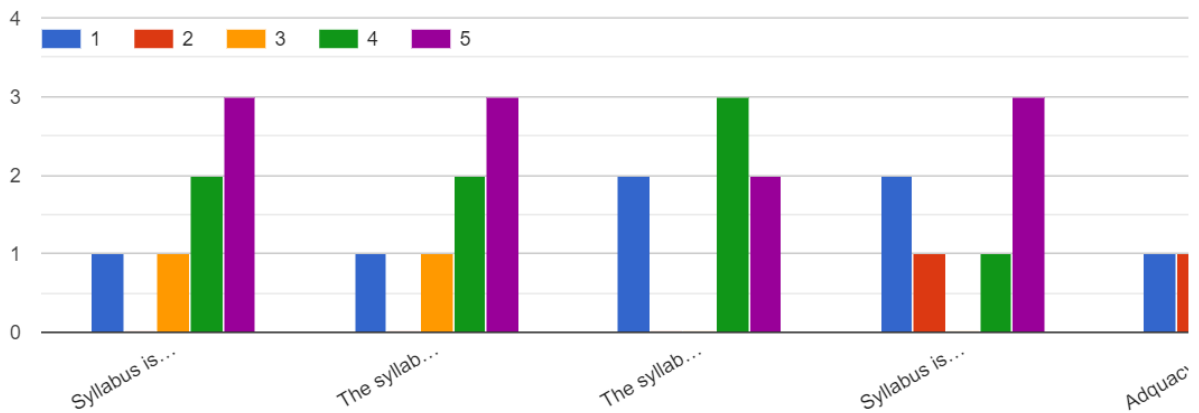


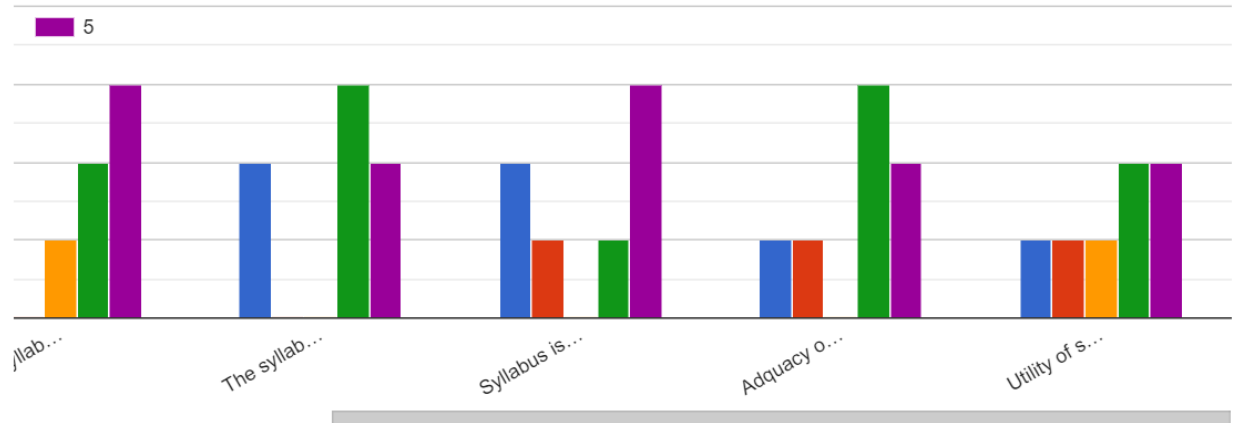
Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus is suitable for the course.	50%	20%	10%	10%	10%
2	The syllabus maintains a good balance between theory and	50%	20%	10%	10%	10%



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	practical/application.					
3	The syllabus covers contemporary and emerging topics	40	30	0	10	20
4	Syllabus is industry oriented	50	10	0	20	20
5	Adequacy of the syllabus in terms of developing skills, concepts, knowledge, analytical abilities	40	30	0	20	10
6	Utility of syllabus in real life situations	40	20	10	20	10





Analysis

- Majority of the employers were satisfied with the curriculum.
- The employers suggested that the overall confidence of students should be enhanced.
- It is very important to groom students with their participation in extracurricular activities.
- They also emphasised the importance of presentations and simulations in curriculum.
- Inclusion of new technologies and their real time implementations is also suggested.



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Action Taken Report:

The Feedback collected from various stakeholders was discussed thoroughly during IQAC meeting and following recommendations were made:

- The students should be encouraged to participate in class presentations and other activities.
- More emphasis should be given to the development of soft skills of the students.
- The students should be encouraged to develop research based projects.
- It was also suggested that students should get the opportunity to work on AI lab. The lab curriculum should be developed by concerned faculties in accordance to syllabus.



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ACADEMIC YEAR
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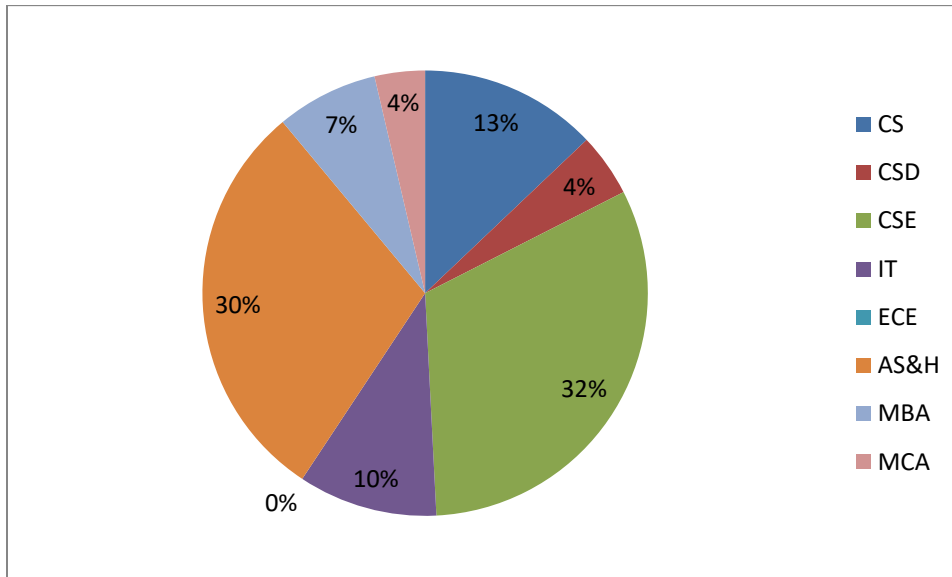


Feedback summary on Curriculum Collected from Different Stakeholders

SESSION – 2022-23 (Even Semester)

Student Feedback:

The institute has collected feedback from our students of different branches for the session 2022-23 Even Semester. More than 1200 students of different departments participated in the feedback and responded to a variety of questions.



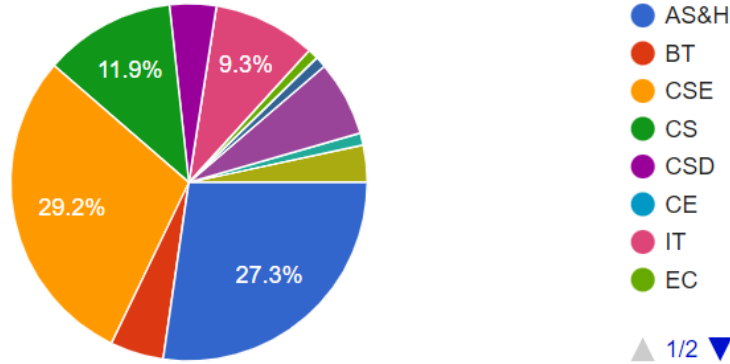
Students were asked to provide feedback in an unbiased manner consistent with their experience. Respondents are asked to express their level of agreement with each question on a scale of 1 to 5, with 1 being the highest level of disagreement and 5 being the level of complete agreement.



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Department

1,278 responses

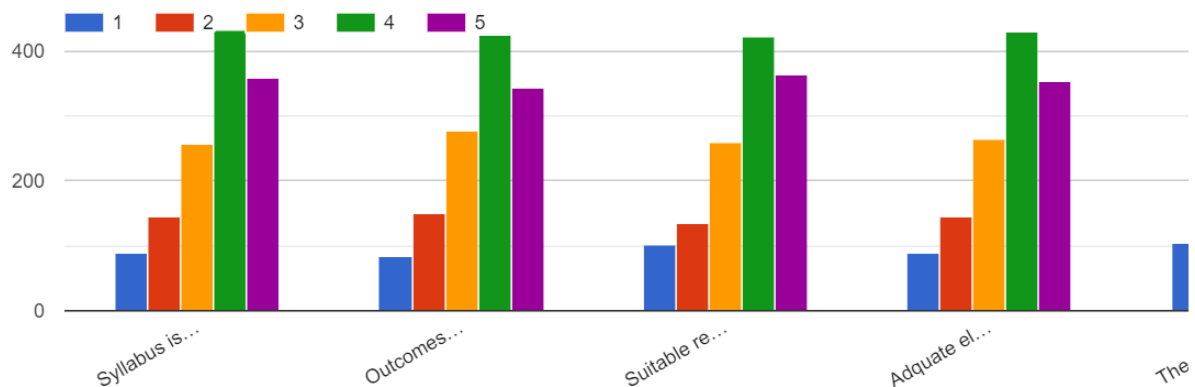


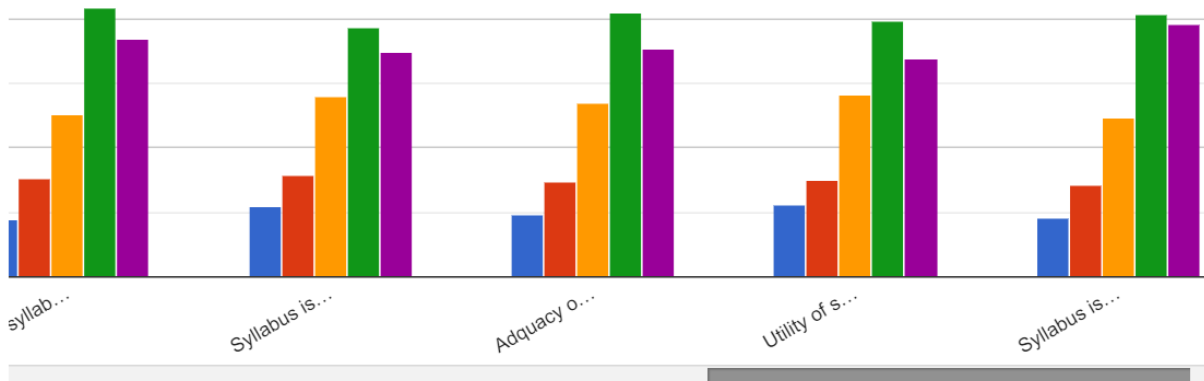
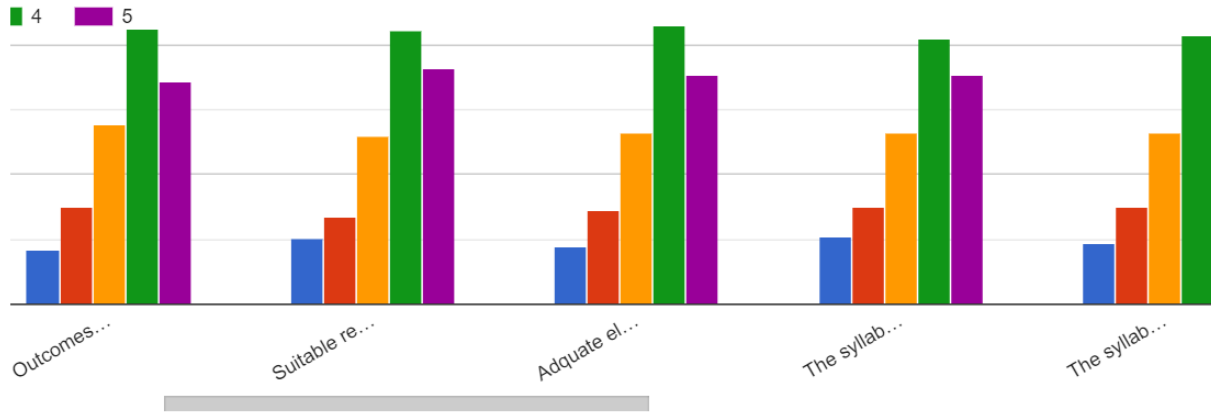
Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	27.9%	33.7%	20.1%	11.3%	6.9%
2	Well defined Objectives and Outcomes	26.9%	33.1%	21.7%	11.7%	6.6%
3	Availability of suitable reference material	28.4%	32.9%	20.3%	10.5%	7.9%
4	Availability of variety of Elective subjects	27.7%	33.6%	20.6%	11.3%	6.9%
5	Balance between theory and Practical application	27.7%	31.9%	20.6%	11.7%	8.1%



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6	The Syllabus is able to generate interest in subject area	28.0%	32.5%	20.6%	11.7%	7.3%
7	Inclusion of contemporary and emerging topics	28.8%	32.6%	19.7%	12.0%	7.0%
8	Subjects are industry oriented	27.2%	30.2%	21.8%	12.3%	8.5%
9	Adequacy in terms of skill development, knowledge and analytical ability	27.7%	32.1%	21.1%	11.5%	7.6%
10	Application of syllabus in real time situation	26.4%	31.0%	22.1%	11.7%	8.8%
11	Helpful in higher studies.	30.7%	31.8%	19.2%	11.1%	7.1%





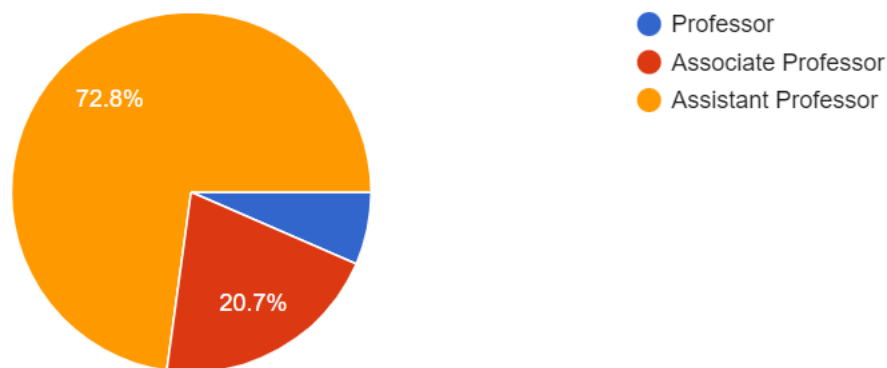
Analysis:

- Majority of students were satisfied with the curriculum and its transaction.
- Students emphasized on the importance of self-studies and were satisfied with the reference books and online material available in the library.
- Students also suggested the more usage of ICT devices in the classes.
- Much emphasis was given to labs and real time practical projects.
- The students also suggested including trending topics related to their branch.



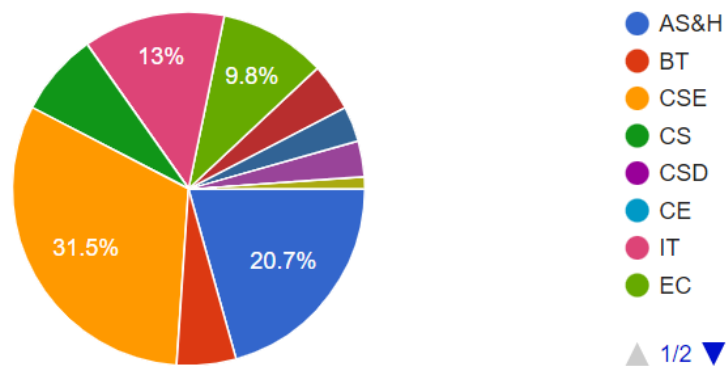
Faculty Feedback:

The institute invited feedback regarding relevance of curriculum from the faculties. The faculties were encouraged to provide unbiased suggestions. More than 90 faculties participated and provided their valuable suggestions.



Department

92 responses





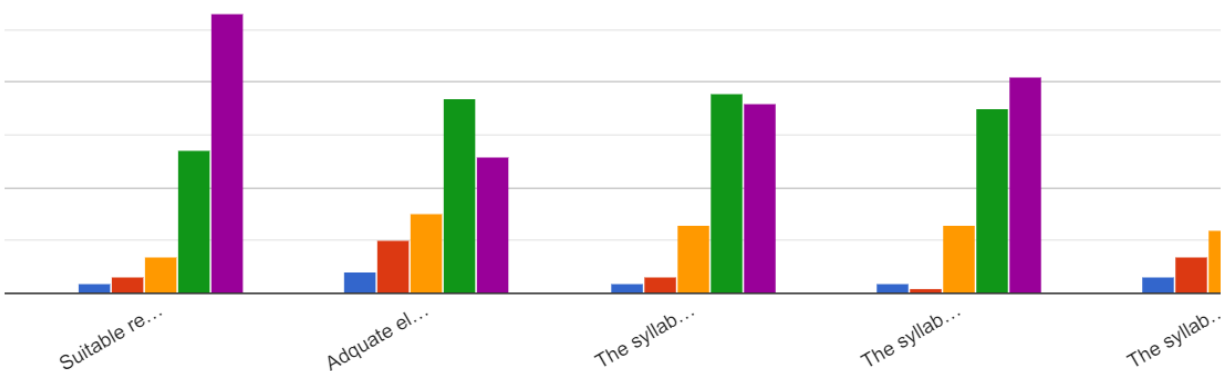
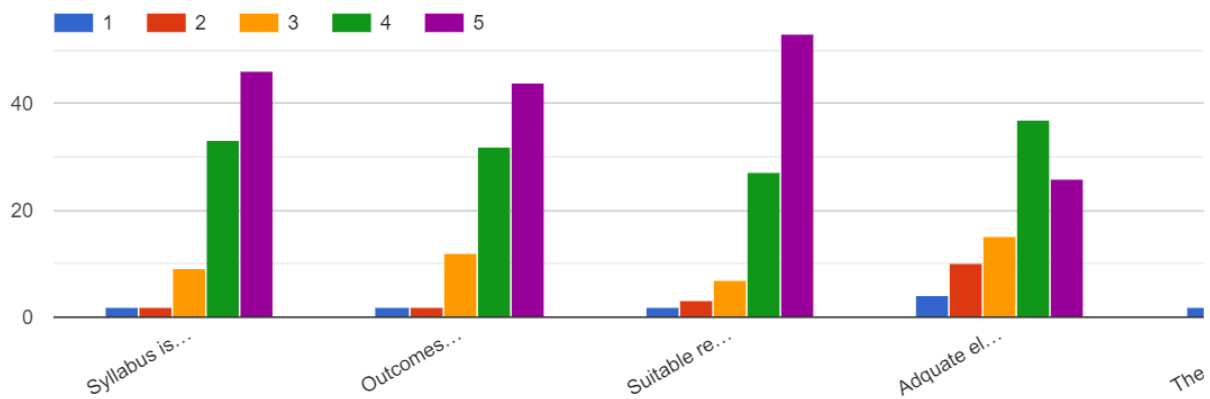
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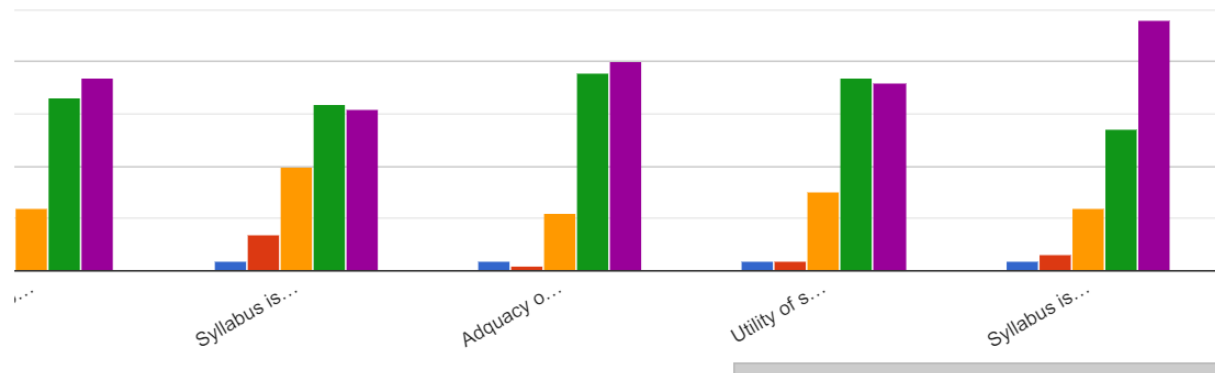
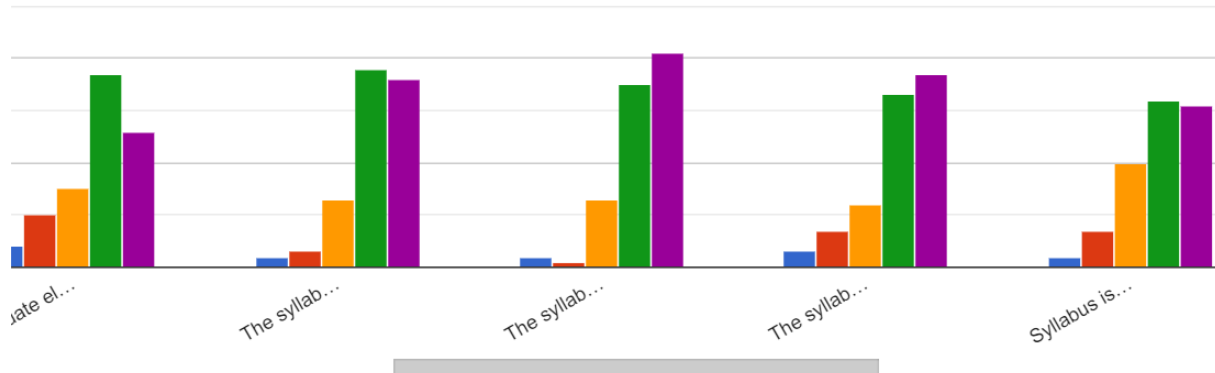
Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	50.0%	35.9%	9.8%	2.2%	2.2%
2	Well defined Objectives and Outcomes	47.8%	34.8%	13.0%	2.2%	2.2%
3	Availability of suitable reference material	57.6%	29.3%	7.6%	3.3%	2.2%
4	Availability of variety of Elective subjects	28.3%	40.2%	16.3%	10.9%	4.3%
5	Balance between theory and Practical application	39.1%	41.3%	14.1%	3.3%	2.2%
6	The Syllabus is able to generate interest in subject area	44.6%	38.0%	14.1%	1.1%	2.2%
7	Inclusion of contemporary and emerging topics	40.2%	35.9%	13.0%	7.6%	3.3%
8	Subjects are industry oriented	33.7%	34.8%	21.7%	7.6%	2.2%



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9	Adequacy in terms of skill development, knowledge and analytical ability	43.5%	41.3%	12.0%	1.1%	2.2%
10	Application of syllabus in real time situation	39.1%	40.2%	16.3%	2.2%	2.2%
11	Helpful in higher studies.	52.2%	29.3%	13.0%	3.3%	2.2%





Analysis:

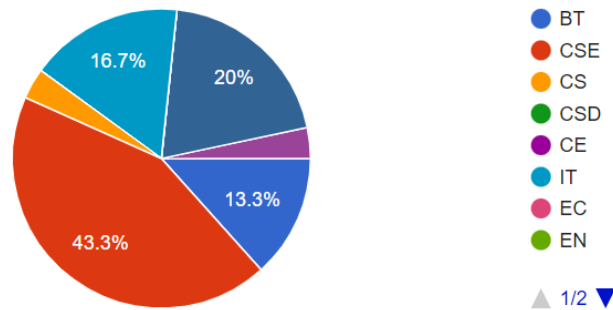
- Inclusion of Open Source Analytical Tools is recommended.
- The curriculum should be more industry oriented.
- Inclusion of AI Lab is recommended.
- The faculty members suggested that there should be more case based studies for better understanding. The students should be encouraged to create research based projects.
- The faculty members also suggested that the syllabus of few subjects such as Introduction of Electronics Engineering should be reduced and few relevant topics such as IOT, smart devices should be included.



Alumni Feedback:

The institute requested the feedback and suggestions regarding curriculum and its transactions from the Alumni. 30 alumni provided their suggestions and feedback regarding the curriculum.

30 responses

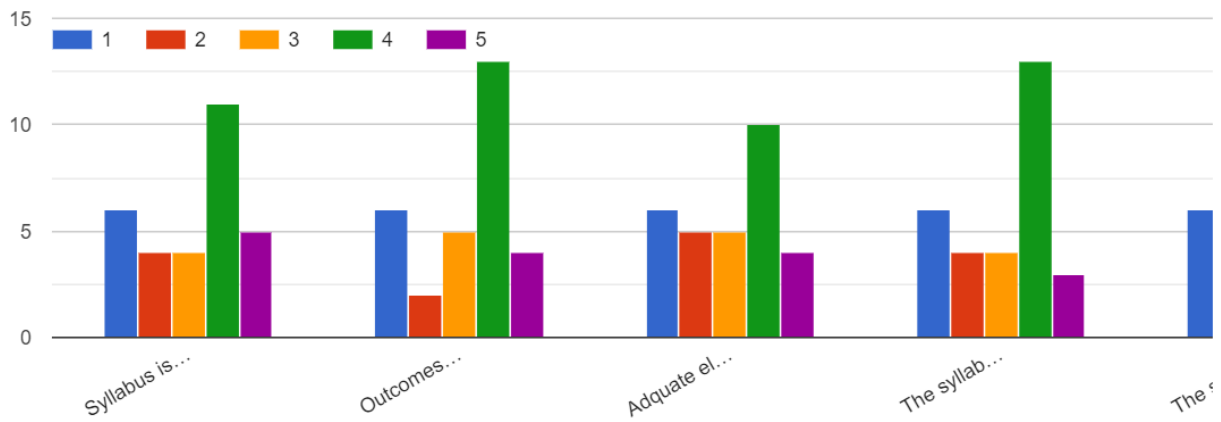


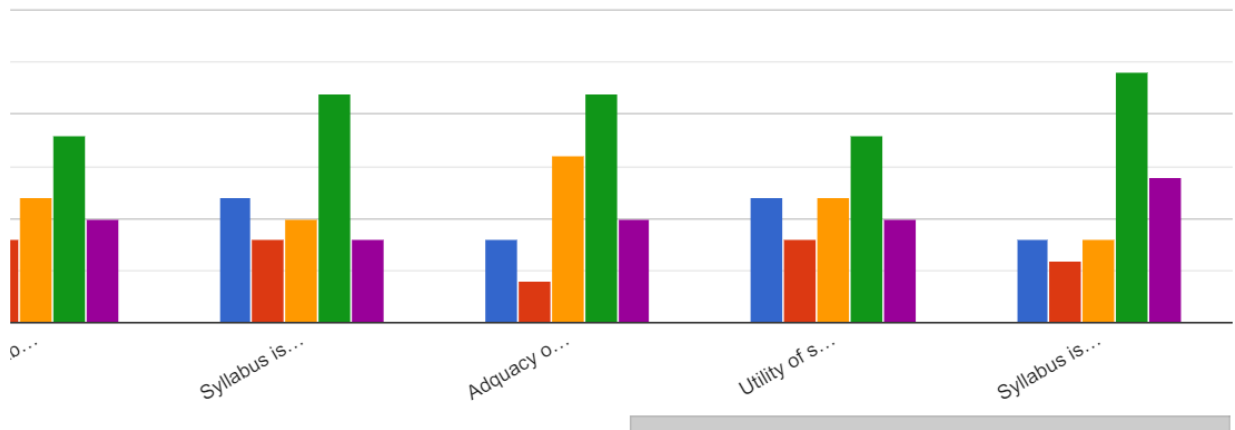
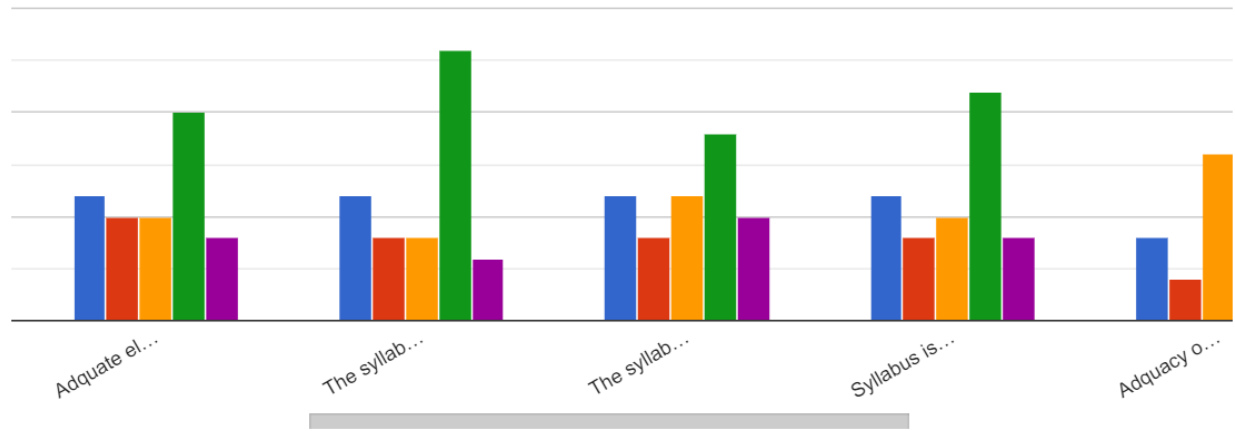
Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus is suitable for the course	16.7%	36.7%	13.3%	13.3%	20.0%
2	Outcomes and objectives of the syllabi are well defined and clear to the students.	13.3%	43.3%	16.7%	6.7%	20.0%
3	Adequate elective subjects were available	13.3%	33.3%	16.7%	16.7%	20.0%
4	The syllabus maintains a good balance between theory and practical/application.	10.0%	43.3%	13.3%	13.3%	20.0%



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5	Inclusion of contemporary and emerging topics	16.7%	30.0%	20.0%	13.3%	20.0%
6	Subjects are industry oriented	13.3%	36.7%	16.7%	13.3%	20.0%
7	Adequacy in terms of skill development, knowledge and analytical ability	16.7%	36.7%	26.7%	6.7%	13.3%
8	Application of syllabus in real time situation	16.7%	30.0%	20.0%	13.3%	20.0%
9	Helpful in higher studies.	23.3%	40.0%	13.3%	10.0%	13.3%





Analysis:

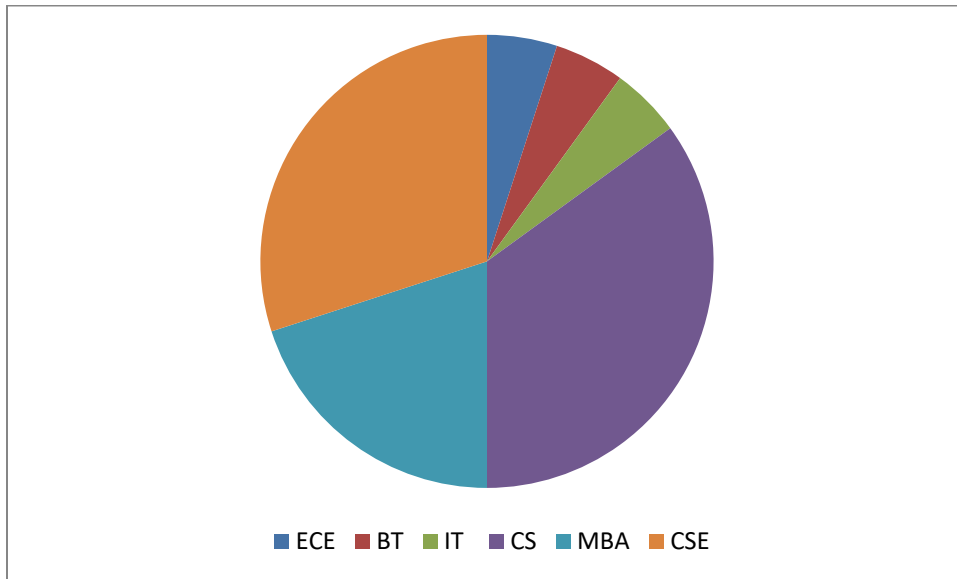
- Sales and Distribution needs to be updated with emerging technologies of e-commerce, e-kiosks.
- Syllabus should be practical and scientific oriented and not much detailed.
- Various tools used in industries should be included in curriculum.
- Students should be provided with soft skill training for confidence building.
- Students should be encouraged to participate in extra curricular activities.



- Presentations and group discussions should be a part of classes and credits should be given to these activities.
- Alumni also emphasised the importance of spiritual awakening among students.

Employer Feedback:

The institute contacted the potential employers of different streams and their feedback and suggestions on curriculum were sought. The employers responded enthusiastically and provided their feedbacks and suggestions.



Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus is suitable for the course.	40.0%	60.0%	0.0%	0.0%	0.0%
2	The syllabus maintains a good balance between theory and	20.0%	80.0%	0.0%	0.0%	0.0%



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	practical/application.					
3	The syllabus covers contemporary and emerging topics	60.0%	20.0%	20.0%	0.0%	0.0%
4	Syllabus is industry oriented	20.0%	60.0%	20.0%	0.0%	0.0%
5	Adequacy of the syllabus in terms of developing skills, concepts, knowledge, analytical abilities	60.0%	40.0%	0.0%	0.0%	0.0%
6	Utility of syllabus in real life situations	40.0%	40.0%	20.0%	0.0%	0.0%

Analysis:

- Students should be encouraged to enhance their interpersonal skills.
- The students should be given more opportunities to work on real life problem and sought its solutions.
- Students should be encouraged to enrol themselves in add on courses to bridge the gap between academics and industrial needs.



Action Taken Report:

The Feedback collected from various stakeholders was discussed thoroughly during IQAC meeting and following recommendations were made:

- IQAC cell decided to provide add on course to all the students of different stream for softs skills by external organisation.
- The students should be encouraged to work on real life projects.
- It was also decided to strengthen the mentor activities to understand the problems faced by students and providing their effective solutions.
- Departmental heads were asked to encourage students to work on research based projects.