



IMS Engineering College, Ghaziabad

(Affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow, Uttar Pradesh & Approved by AICTE, New Delhi)

NH-09, Adhyatik Nagar, Near Dasna, Distt: Ghaziabad, Uttar Pradesh Website: <https://www.imsec.ac.in>

SUPPORTING DOCUMENTS

AQAR: 2023-24

1.4.2

Feedback process of the Institution may be classified as follows

Attachment: Supporting Document



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Criteria – I – Curricular Aspects

A blue graphic resembling a scroll or a banner, with a white rectangular area in the center. The scroll has a 3D effect with shadows and rounded corners.

Feedback Analysis Report

Session 2023 - 24



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ACADEMIC YEAR
2023-24
(ODD SEMESTER)



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Feedback summary on Curriculum Collected from Different Stakeholders

SESSION – 2023-24 (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.

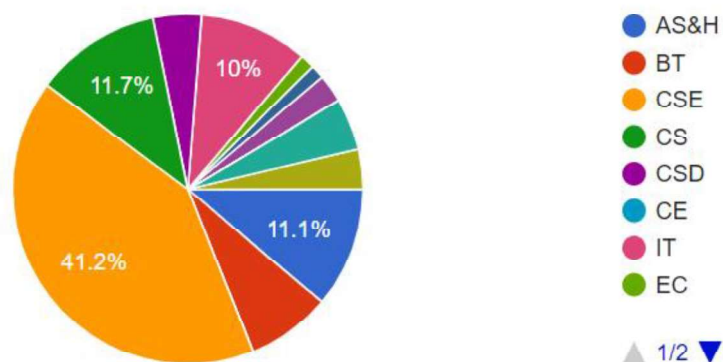
The IQAC has decided to conduct feedback from these stakeholders on the curriculum each semester to analyse the response and modify and implement various policies accordingly. The change is made to ensure better analysis and effective implementation of the results.

Students Feedback:

We have collected feedback from our students of different branches for the session 2023-24 Odd Semester. Total 2,609 students of different departments participated in the feedback and responded to a variety of questions.

Department

2,609 responses





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A total of 1283 (49.2%) 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.

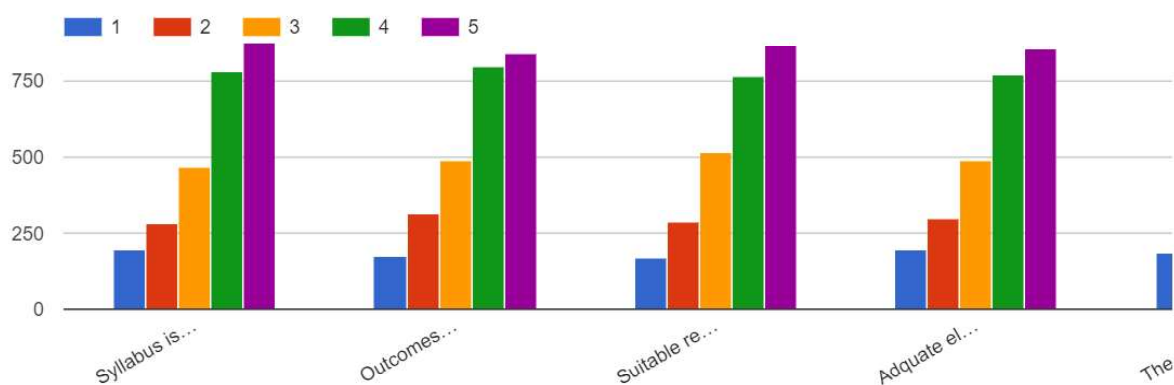
The feedback form uses a five-point Likert scale to capture respondents' attitudes and views. Here, respondents are asked to express their level of agreement with each question on a scale of 1 to 5, with 1 being the highest level of disagreement and 5 being the level of complete agreement. Students were 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	47.4	16.0	23.0	7.1	5.5
2	Well defined Objectives and Outcomes	45.7	19.5	29.3	2.7	2.6
3	Availability of suitable reference material	46.5	19.2	18.1	11.5	4.2
4	Availability of variety of Elective subjects	36.6	25.7	22.9	9.5	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	45.4	19.5	20.1	8.1	6.4



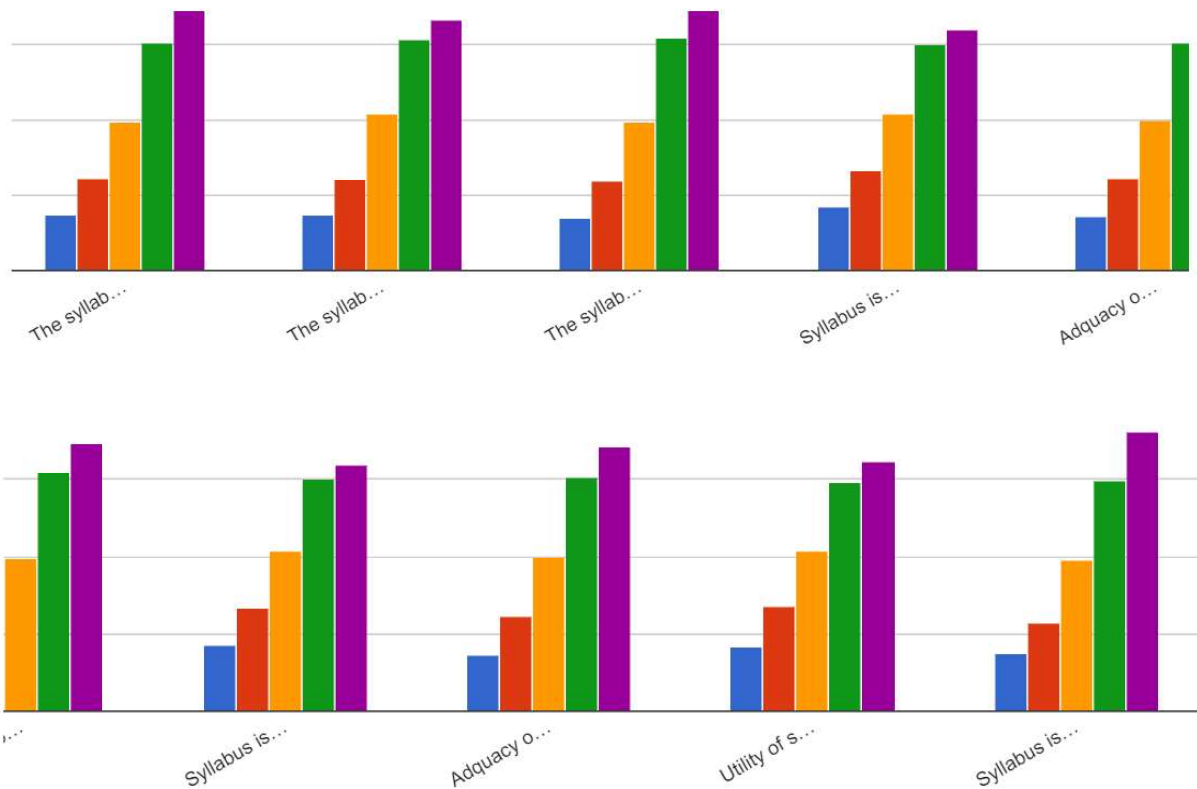
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7	Inclusion of contemporary and emerging topics	35.9	30.4	17.4	11.5	4.7
8	Subjects are industry oriented	35.0	28.0	11.5	4.7	2.8
9	Adequacy in terms of skill development, knowledge and analytical ability	46.1	19.7	27.7	6.1	1.4
10	Application of syllabus in real time situation	34.0	28.2	20.1	11.3	6.3
11	Helpful in higher studies.	36.1	29.7	17.7	11.1	5.4





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Analysis

- The majority of students indicated that each course's objectives were evident and satisfied by the reference materials that were easily accessible through the college portal and other easily accessible sources.
- Most students find the program useful for their further studies and are happy that sufficient elective subjects are available.
- Over 85% of students think that the topics and subjects taught in the curriculum may be utilized in practical settings. They also believe that the curriculum is industry-focused, and few recommendations are offered to close the gap between academia and industry.



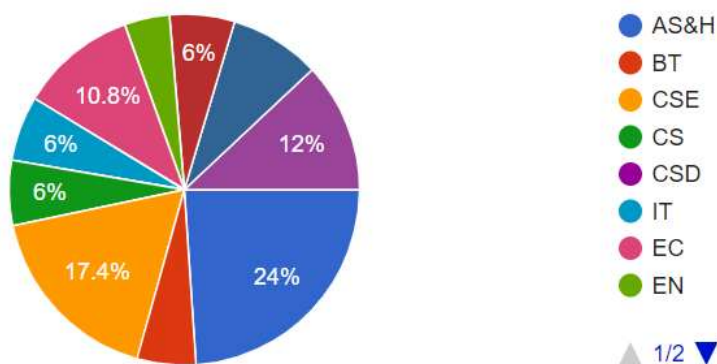
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- Students recommended using ICT tools more frequently to enhance the visual aspect of lectures.
- A small percentage of students additionally suggested setting up extra classes to help students prepare for competitive exams.



Faculty Feedback:

The institute collected feedback from the faculty members of the institute regarding curriculum for the session 2023-24 Odd Semester. More than 165 faculty members offered their opinions and insightful recommendations in total. The institute encouraged the faculty members to offer their recommendations for the program and its delivery.



Faculty feedbacks were analyzed, and recommendations were put into practice to enhance the effectiveness of the curriculum.

Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	50.6	35.8	7	1	4.2
2	Well defined Objectives and Outcomes	50.5	36.3	5.3	4.2	3.2
3	Availability of suitable reference material	49.5	38.8	8	1	4

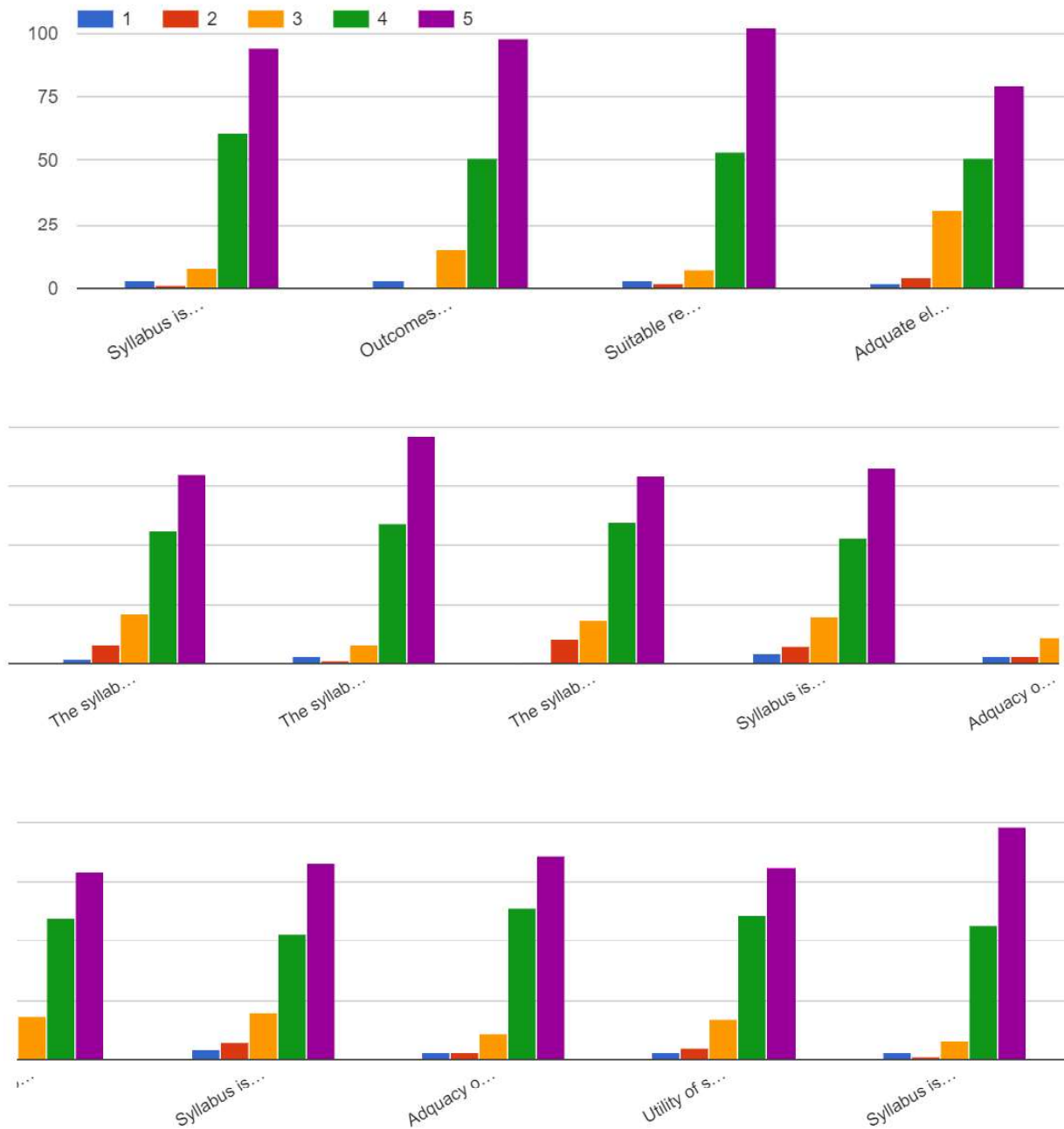


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4	Availability of variety of Elective subjects	27.4	45	16.8	6.3	4.2
5	Balance between theory and Practical application	34.7	40	16.8	6.3	3.2
6	The Syllabus is able to generate interest in subject area	50.5	33	12	2.2	2.1
7	Inclusion of contemporary and emerging topics	33.3	41.1	20	4.2	2.1
8	Subjects are industry oriented	34	41.1	14.7	6.3	3.2
9	Adequacy in terms of skill development, knowledge and analytical ability	44.2	41.1	7.4	4.2	4.2
10	Application of syllabus in real time situation	48	27.4	14.7	3.2	3.2
11	Helpful in higher studies.	48.3	33.7	7.4	4.2	3.2



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Analysis:

- The majority of faculty members in all streams believe that the curriculum is useful for pursuing higher education and meets industrial demands.



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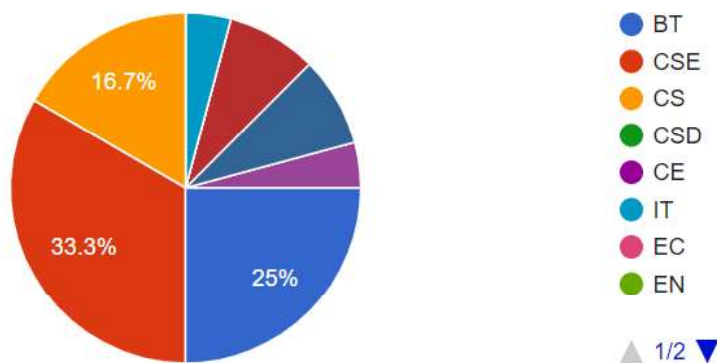
- Many educators suggested that the curriculum should incorporate issues focused on software development industry.
- The faculties also suggested streamlining the syllabus and eliminating any outdated material. Syllabus content should be designed in such a way so that non computer background students can easily grasp the concepts.
- The computer science department's faculty member's advice that Artificial Intelligence in marketing should be added as this is one of the emerging topics.
- It is best to avoid repeating topics from one year to the next or from one subject to another.
- According to recommendations from the CSE, MCA and CS department faculty, the Web technology lab should be included in the curriculum. The faculty members also advised to Introduce Emerging Topics IoT, Machine Learning etc in the curriculum.



Alumni Feedback:

The alumni cell of the institute oversees a vast network of alums. The institute makes a frequent effort to stay in touch with its alumni. The institute got in touch with its former students to ask about their opinions of the program's efficacy and to solicit suggestions for enhancements.

Twenty-four alumni from different programs offer their insightful comments and recommendations for how to make the curriculum better.



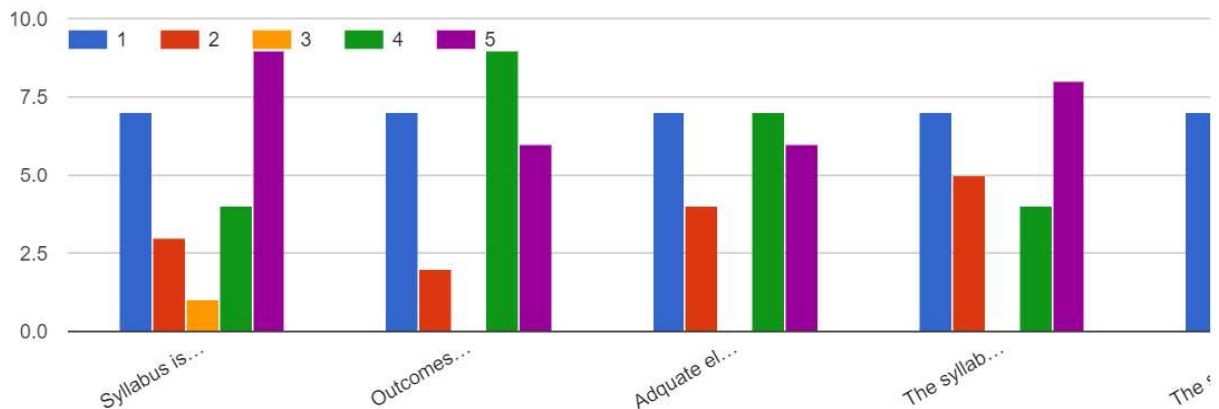
The responses received from alumni were analysed and suggestions were implemented to improve the overall curriculum delivery and its effectiveness.

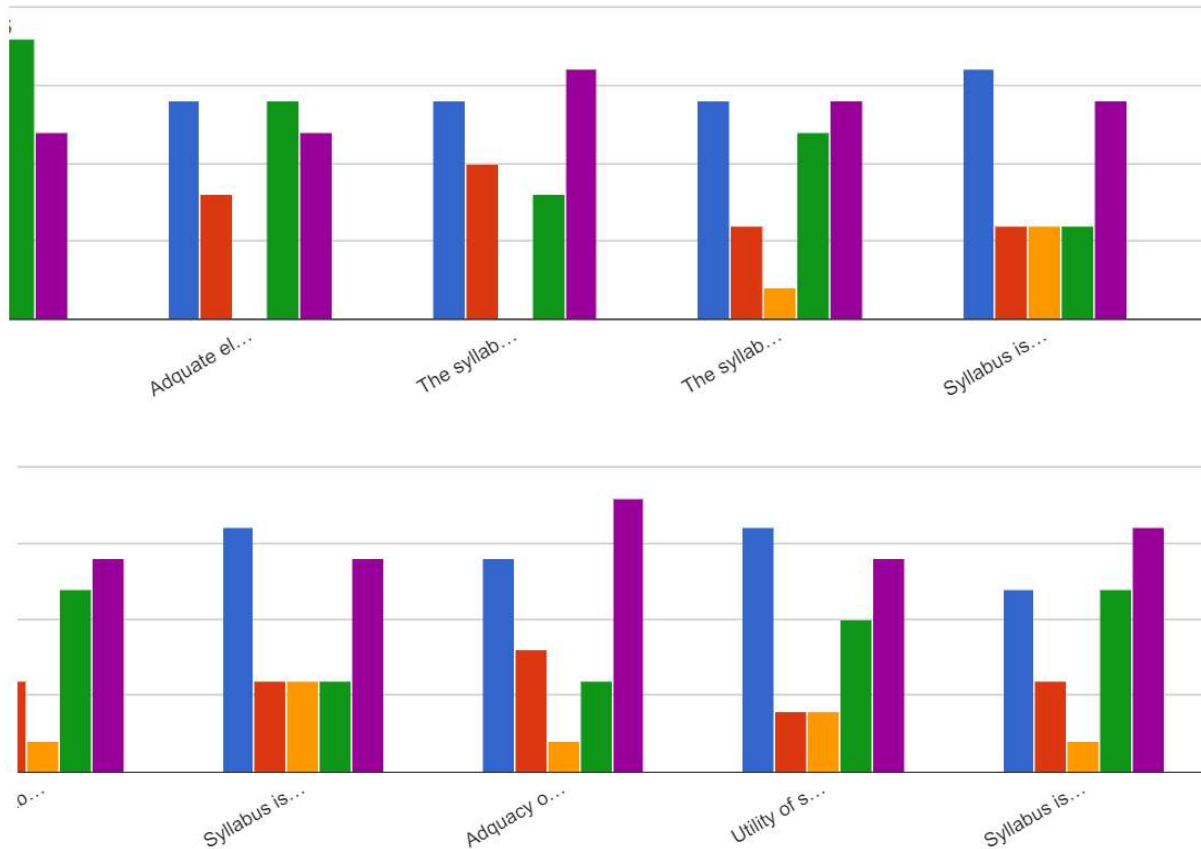
Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus is suitable for the course	29.1%	19.8%	29.1%	7.0%	14.9%
2	Outcomes and objectives of the syllabi are well defined and clear to the students.	29.1%	29.8%	14.9%	14.9%	11.3%
3	Adquate elective subjects were available	23.4%	14.9%	31.9%	14.9%	14.9%



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4	The syllabus maintains a good balance between theory and practical/application.	25.5%	29.1%	23.4%	21.3%	21.3%
5	Inclusion of contemporary and emerging topics	23.4%	14.9%	17.0%	19.1%	19.1%
6	Subjects are industry oriented	10.6%	31.9%	17.0%	12.8%	29.8%
7	Adequacy in terms of skill development, knowledge and analytical ability	12.8%	21.3%	21.3%	19.1%	21.3%
8	Application of syllabus in real time situation	14.9%	19.1%	19.1%	17.0%	19.1%
9	Helpful in higher studies.	21.3%	21.3%	21.3%	19.1%	17.0%





Analysis

- The majority of graduates emphasized the importance of improving students' technical skills through the inclusion of diverse real-world projects and industrial training.
- They advise selecting specialized technologies early in the curriculum and allocating labs and classes in accordance with the selection.
- A lot of former students recommended placing more focus on helping students develop their fundamental technical skills.
- More chances for student-industry contact, like industrial tours, ought to be created.



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- Any alumni express their concern regarding choice of companies for placement. The companies should be selected on the basis of past experience of feedback.



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Employer Feedback:

The Training and Placement Cell (TPC) of the institute provides a broad and efficient network of connections with prospective employers (Companies). The corporations were asked to provide input on the efficacy of the university curriculum by the institute.

Inquiries on curricular recommendations and feedback were made to prospective employers of various streams. A total of 7 responses were received regarding curriculum design.

Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus is suitable for the course.	40%	25.8%	10%	12.4%	3.7%
2	The syllabus maintains a good balance between theory and practical/application.	50%	20%	10%	10%	10%
3	The syllabus covers contemporary and emerging topics	40	20	11	9	20
4	Syllabus is industry oriented	50	10	0	20	20
5	Adequacy of the syllabus in terms of	40	30	0	20	10



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	developing skills, concepts, knowledge, analytical abilities					
6	Utility of syllabus in real life situations	40	20	10	20	10

Analysis

- Most employers expressed satisfaction with the curriculum.
- The employers recommended that students' general confidence be raised.
- Encouraging pupils to participate in extracurricular activities is an important way to groom them.
- They also emphasized how crucial it is for curriculum to include presentations and simulations.
- It's also advised to include new technologies and use them in real time.
- In computer science field, Parallel architecture concept must be included.
- The institute should focus on emerging technology like AI ML and should consider the training in the various system design approach like low code no code systems from very beginning.
- In every semester reading of latest technology trends should be mandatory and these readings outcome should also be assessing on regular intervals.



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Action Taken Report:

During the IQAC meeting, the feedback received from different stakeholders was thoroughly considered, and the following suggestions were made:

- It is important to motivate pupils to take part in class projects and other events.
- Students' soft skill development ought to receive more attention.
- Projects based on research should be encouraged for the students.
- The department should focus on emerging technology like AI ML and training in these fields.
- More focus has to be done to gain knowledge about latest technology trends.



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Criteria – I – Curricular Aspects

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Feedback Analysis Report

Session 2023 - 24



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ACADEMIC YEAR
2023-24
(EVEN SEMESTER)



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Feedback summary on Curriculum Collected from Different Stakeholders

SESSION – 2023-24 (Even Semester)

Feedback gathered from its various stakeholders has always been given the weight it deserves at IMS Engineering College. The stakeholders include students, faculty, alumni, and employers.

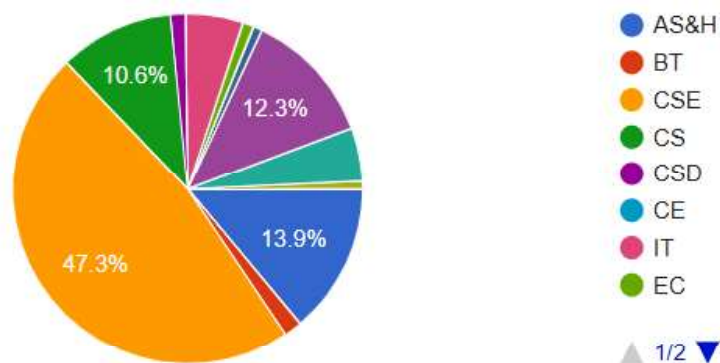
In order to evaluate the responses and update and implement various policies appropriately, the IQAC has chosen to solicit input on the curriculum from these stakeholders once a semester. The modification was done to guarantee improved analysis and successful outcomes implementation.

Students Feedback:

We have collected feedback from our students of different branches for the session 2023-24 even Semester. Total 1,087 students of different departments participated in the feedback and responded to a variety of questions.

Department

1,087 responses



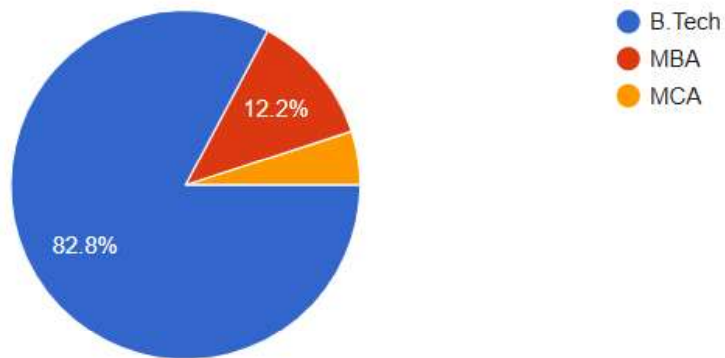


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A total of 900 (82.8%) responses were collected from B. tech courses. The remaining students were enrolled in post graduate courses.

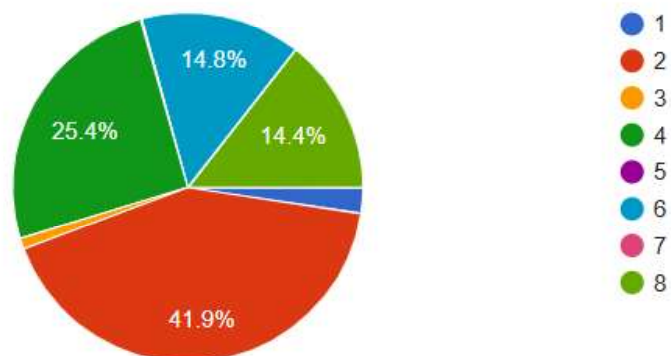
Program Name

1,087 responses



Semester

1,087 responses





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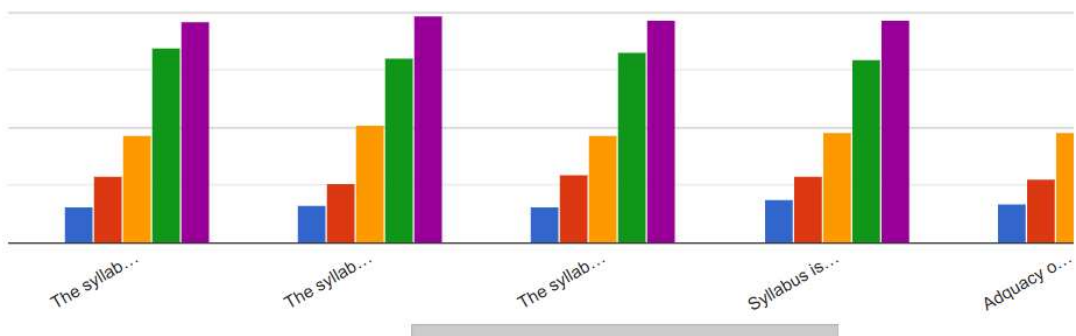
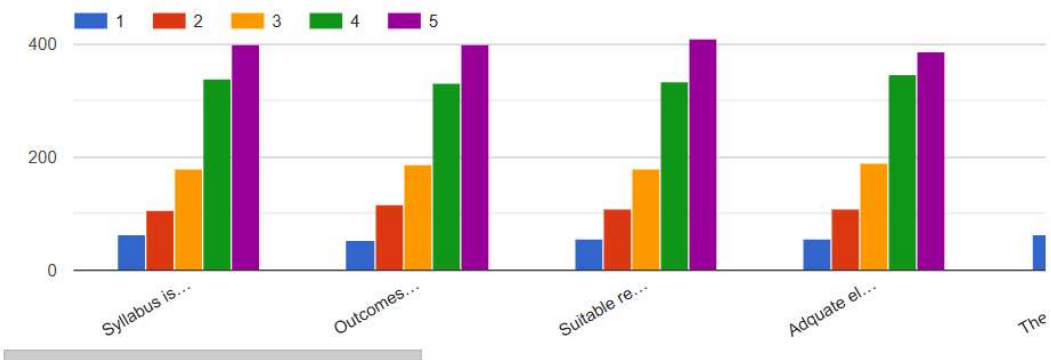
The feedback form uses a five-point Likert scale to capture respondents' attitudes and views. Here, respondents are asked to express their level of agreement with each question on a scale of 1 to 5, with 1 being the highest level of disagreement and 5 being the level of complete agreement. Students were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

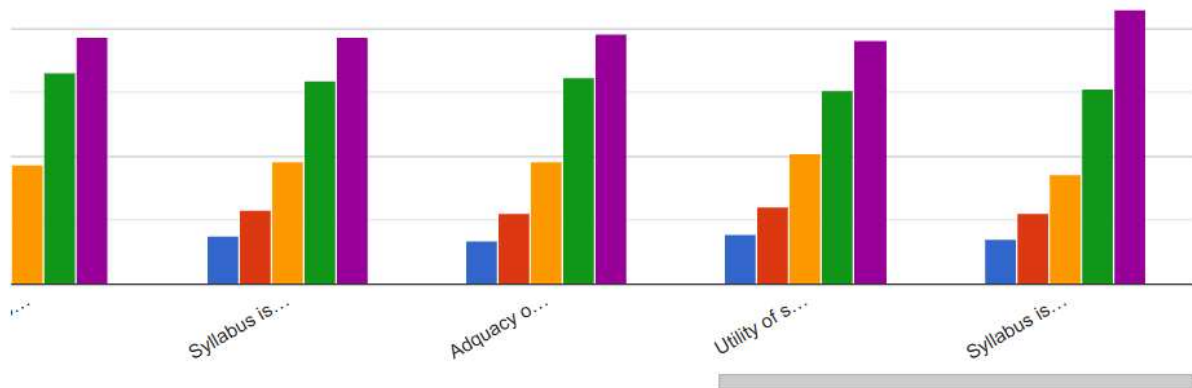
Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	36.7	31.2	16.6	9.8	5.8
2	Well defined Objectives and Outcomes	36.7	30.5	17.2	10.8	4.9
3	Availability of suitable reference material	37.6	30.7	16.5	10.0	5.2
4	Availability of variety of Elective subjects	35.6	31.8	17.4	10.0	5.2
5	Balance between theory and Practical application	35.3	31.1	17.1	10.6	5.9
6	The Syllabus is able to generate interest in subject area	36.2	29.4	18.8	9.6	6.1
7	Inclusion of contemporary and emerging topics	35.6	30.4	17.2	10.9	5.9



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8	Subjects are industry oriented	35.4	29.2	17.7	10.8	7.0
9	Adequacy in terms of skill development, knowledge and analytical ability	36.1	29.7	17.8	10.2	6.3
10	Application of syllabus in real time situation	35.0	27.8	18.9	11.2	7.2
11	Helpful in higher studies.	39.5	28.1	15.7	10.3	6.4





Analysis

- Most of the students believe that the curriculum is satisfactory; concepts and topics covered in the curriculum may be applied in real-world situations to some extent. However, the syllabus of many subjects is outdated and need improvement. `
- Some students raised the concern to include topics that are beneficial to their future competitive exams.
- Trainings/ courses should be organised for the students who wants to make career in non tech fields.
- The students also recommend the use of daily life examples to explain the topic.
- Inclusion of lab is also recommended.
- MBA students recommended that few subjects such as Digital Marketing should have more practical approach.

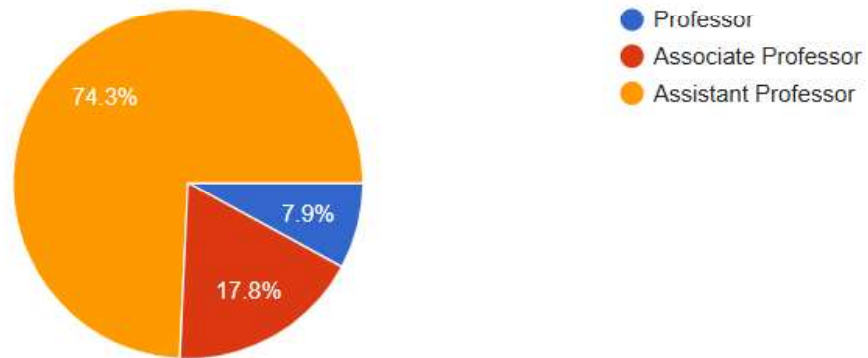


Faculty Feedback:

The institute gathered input from its faculty members about the curriculum for the Even Semester of 2023–2024. In all, over 100 academic members shared their thoughts and wise suggestions. Out of these, 74.3% were at the position of assistant professor. The faculty members were encouraged to submit their suggestions for the curriculum and how it could be delivered by the institute.

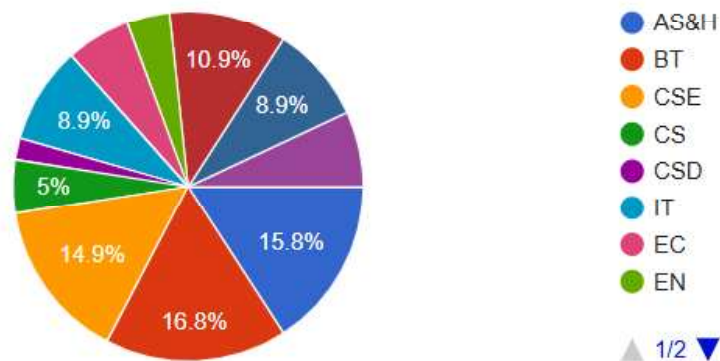
Designation

101 responses



Department

101 responses





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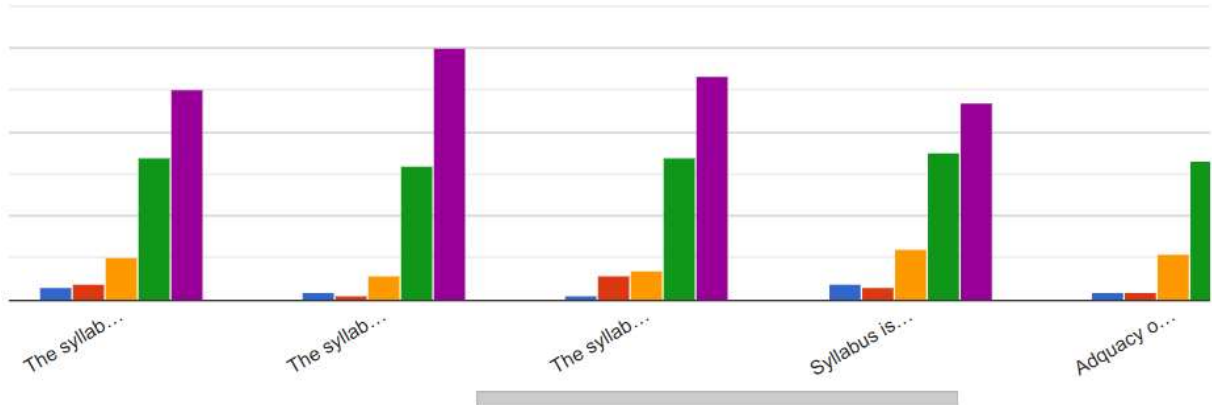
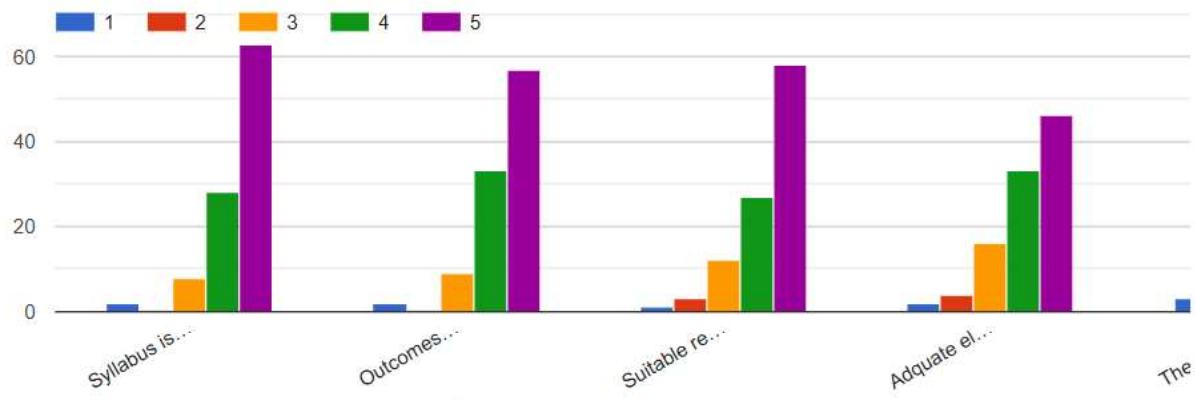
Faculty feedbacks were analyzed, and recommendations were put into practice to enhance the effectiveness of the curriculum.

Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Course Suitability	62.4	27.7	7.9	0.0	2.0
2	Well defined Objectives and Outcomes	56.4	32.7	8.9	0.0	2.0
3	Availability of suitable reference material	57.4	26.7	11.9	3.0	1.0
4	Availability of variety of Elective subjects	45.5	32.7	15.8	4.0	2.0
5	Balance between theory and Practical application	49.5	33.7	9.9	4.0	3.0
6	The Syllabus is able to generate interest in subject area	59.4	31.7	5.9	1.0	2.0
7	Inclusion of contemporary and emerging topics	52.5	33.7	6.9	5.9	1.0
8	Subjects are industry oriented	46.5	34.7	11.9	3.0	4.0



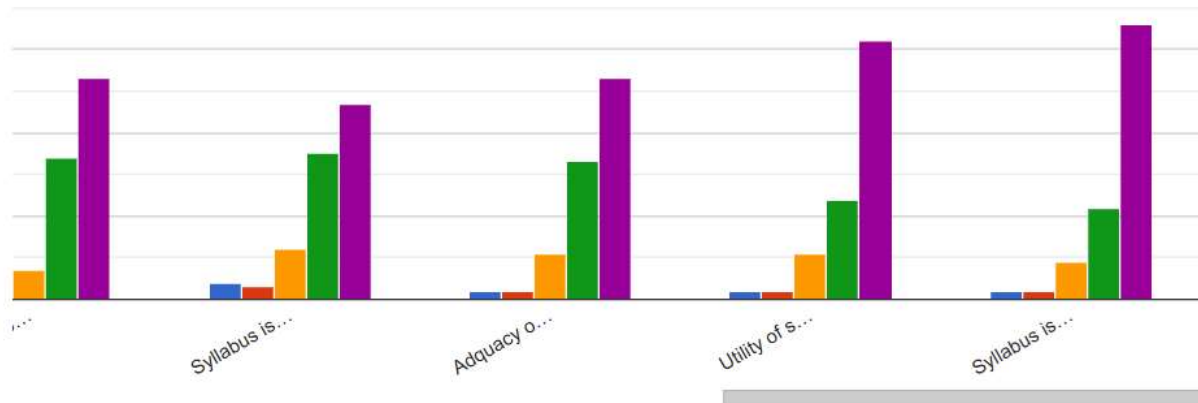
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9	Adequacy in terms of skill development, knowledge and analytical ability	52.5	32.7	10.9	2.0	2.0
10	Application of syllabus in real time situation	61.4	23.8	10.9	2.0	2.0
11	Helpful in higher studies.	65.3	21.8	8.9	2.0	2.0





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Analysis:

- The majority of faculty members across all courses believe that the curriculum should be industry oriented and contemporary topics should be added.
- More case studies should be added wherever possible. Inclusion of real-life examples are also recommended.
- The computer science department's faculty members recommended that labs should be included for Software Project Management subject.
- For the subject Bio informatics II, the faculties from Bio technology department suggested to remove obsolete topics.

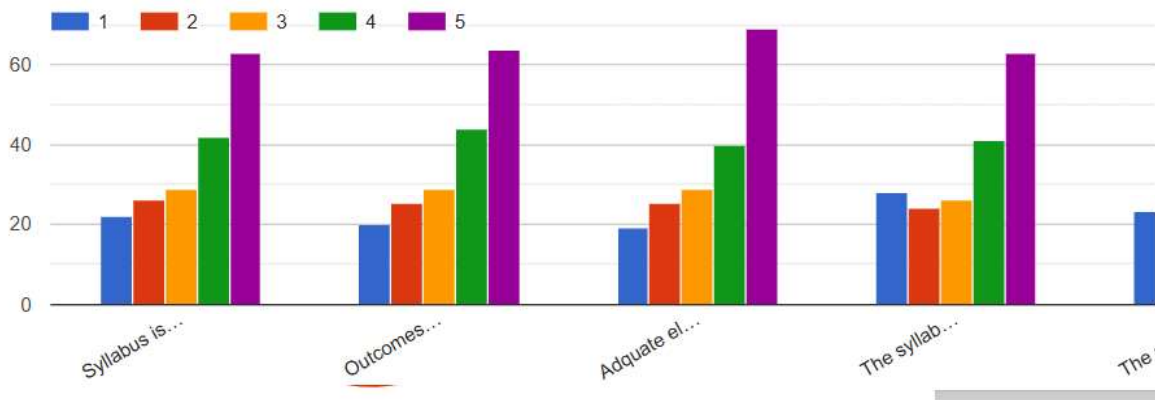
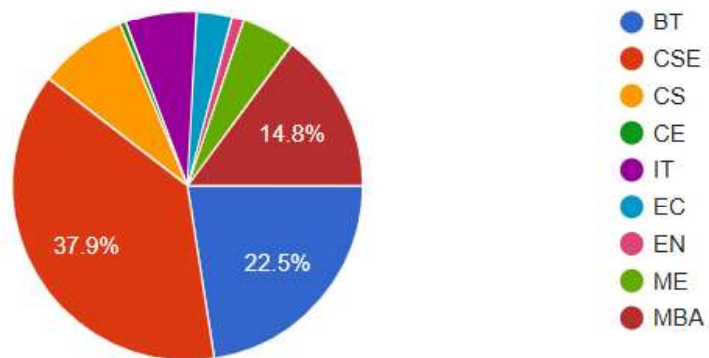


Alumni Feedback:

In IMSEC, Alumni are considered an important part of institution. The institute often tries to maintain communication with its former students. The institute contacted its previous students to find out how they felt about the program's effectiveness and to get ideas for improvements. Insightful remarks and suggestions for improving the curriculum are provided by 182 alumni from various programs. More than 35% of responses from the alumni of CSE department.

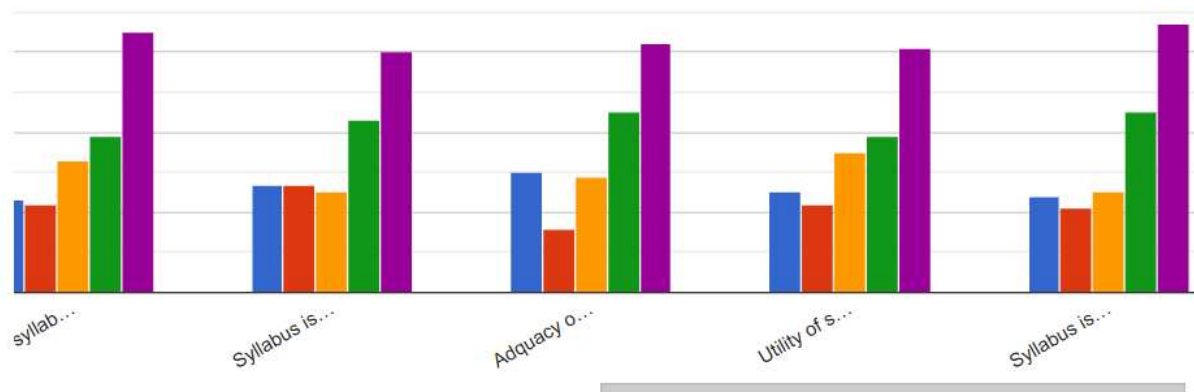
Department

182 responses





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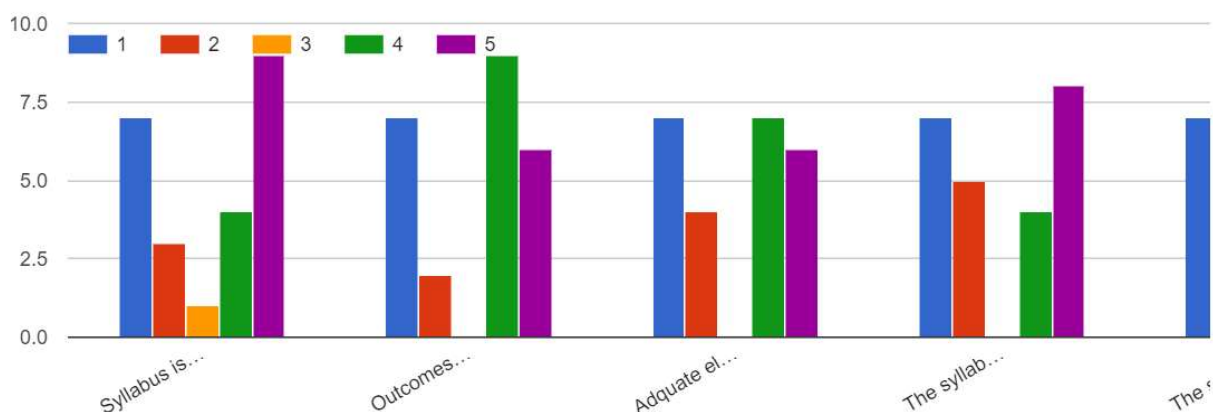
The responses received from alumni were analysed and suggestions were implemented to improve the overall curriculum delivery and its effectiveness.

Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus is suitable for the course	34.6	23	15.9	34.6	12
2	Outcomes and objectives of the syllabi are well defined and clear to the students.	35.1	24.1	15.9	35.1	10.9
3	Adquate elective subjects were available	37.9	21.9	15.9	37.9	10.4
4	The syllabus maintains a good balance between theory and	34.6	22.5	14.2	34.6	15.3



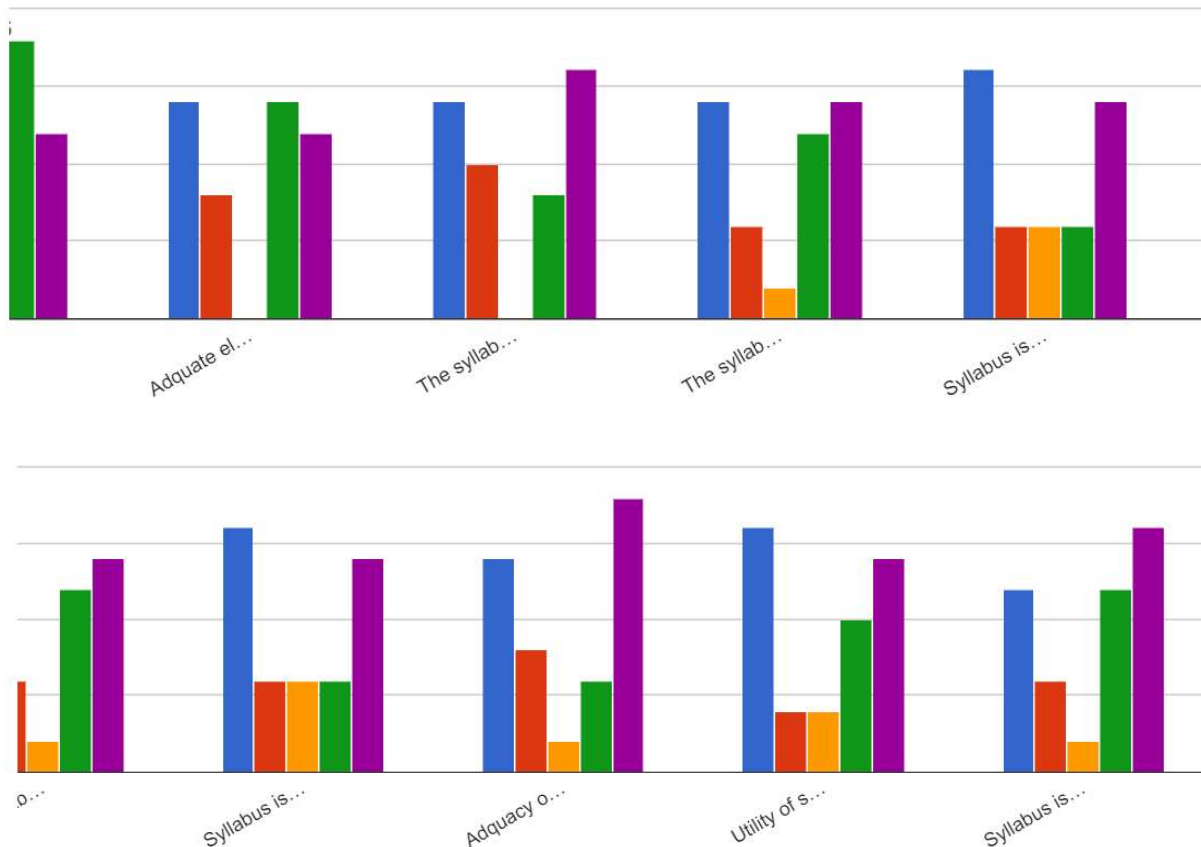
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	practical/applica tion.					
5	Inclusion of contemporary and emerging topics	35.7	21.4	18.1	35.7	12.6
6	Subjects are industry oriented	32.9	23.6	13.7	32.9	14.8
7	Adequacy in terms of skill development, knowledge and analytical ability	34	24.7	15.9	34	16.4
8	Application of syllabus in real time situation	33.5	21.4	19.2	33.5	13.7
9	Helpful in higher studies.	36.8	24.7	13.7	36.8	13.1





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Analysis

- The majority of graduates emphasized the importance of improving students' technical skills through the inclusion of diverse real-world projects and industrial training. The alumni emphasized to develop coding culture in students.
- They advise selecting specialized technologies early in the curriculum and allocating labs and classes in accordance with the selection.
- A lot of former students suggested that brain storming sessions should be conducted to develop problem solving skills.
- More chances for student-industry contact, like industrial tours, ought to be created.
- The Career Development Department needs to establish clear communication between academia and industry because academia may not be aware of the types of technologies used in the industry, and students may not know which technologies are important.



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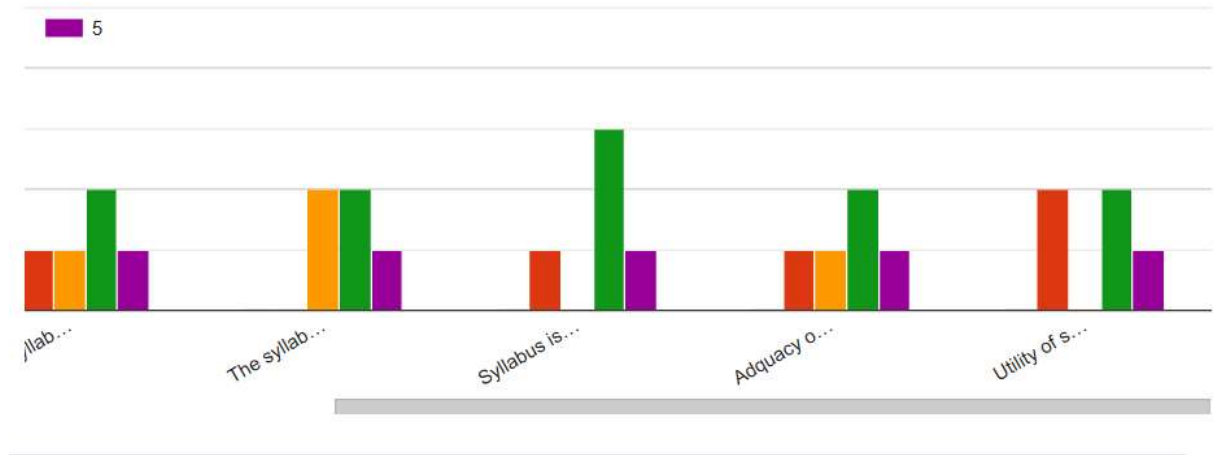
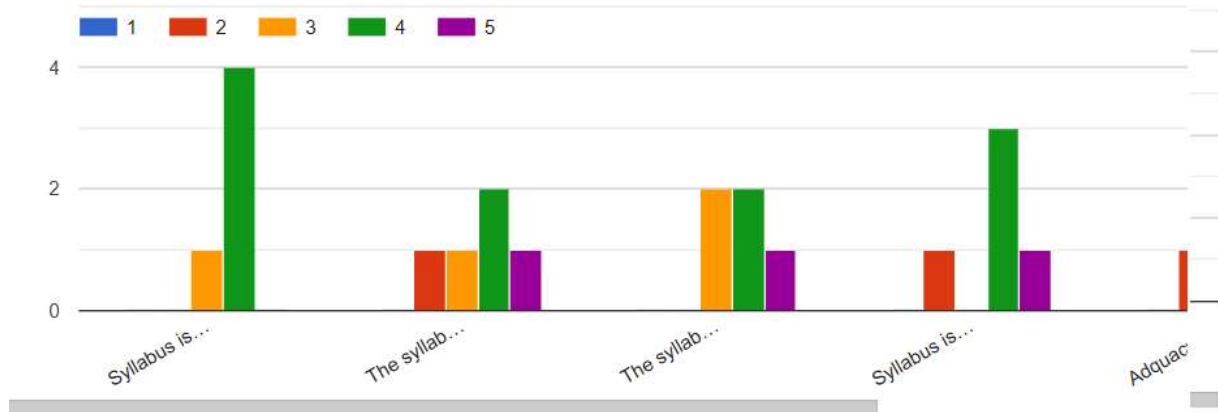
- Many alumni also suggested that more focus should be given to java and Advance DSA.



Employer Feedback:

The institute's Training and Placement Cell (TPC) offers an effective network of contacts with potential employers (Companies). The institute requested feedback from the firms regarding the effectiveness of the university curriculum.

Potential employers from a variety of streams were questioned about feedback and recommendations regarding the curriculum. Five responses in all about curriculum design were obtained.





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Question No.	Curriculum Evaluation Points	Response in %				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus is suitable for the course.	0.0	80.0	20.0	0.0	0.0
2	The syllabus maintains a good balance between theory and practical/application.	20.0	40.0	20.0	20.0	0.0
3	The syllabus covers contemporary and emerging topics	20.0	40.0	40.0	0.0	0.0
4	Syllabus is industry oriented	20.0	60.0	0.0	20.0	0.0
5	Adequacy of the syllabus in terms of developing skills, concepts, knowledge, analytical abilities	20.0	40.0	20.0	20.0	0.0



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6	Utility of syllabus in real life situations	20.0	40.0	0.0	40.0	0.0
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Analysis

- Employers provide mixed response regarding with the curriculum and its effectiveness.
- The employers emphasized on the inclusion of practical concepts in curriculum.



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Action Taken Report:

During the IQAC meeting, the feedback received from different stakeholders was thoroughly considered, and the following suggestions were made:

- Students should be encouraged for higher studies and department should provide extra classes to interested students.
- The add on courses should be chosen in such a way that students are exposed to new technologies.
- Projects based on research should be encouraged for the students. The students should also be encouraged at departmental level to learn new technology.
- The computer related departments should focus on emerging technology like AI ML and training in these fields.
- More unit test series should be conducted especially for second year students to assimilate them to the University pattern.