Annexure-II
School of Engineering and Technology
Department of Electronics and Communication Engineering
Curriculum Feedback Analysis 2022-23

The Department of Electronics and Communication Engineering revises its curriculum for the programmes offered every year based on the relevant trends in industry and emerging technologies by considering the feedback provided by all its stakeholders on the curriculum. This report is an analysis of the feedback collected from the various stakeholders like students, alumni and faculty members and this report shall be forwarded to the Department Curriculum Design and Development Cell (CDC) for consideration while revising the curriculum.

This academic year feedback was collected from a total of 179 students, 21 faculty members, 23 alumni, 7 employers and 11 parents. This feedback was analyzed and this report contains the analysis and recommendations to CDC based on the analysis carried out.

Student Feedback on Curriculum

A total of 179 students took the curriculum feedback survey. The questionnaire and the number of responses for each year of study was as follows

All Years of Study Total Number of Students Participated in the Survey : 179					
Question	Excellent	Very Good	Good	Average	Needs Improvement
Does the content of the syllabus satisfy the stated objectives and learning outcomes as per the course and program of study in line with the implemented Outcome Based Education?	41	45	53	33	7
Does the syllabus enhance your knowledge and skills in the relevant domain?	35	43	50	32	19
Does the content of the syllabus orient you towards higher education?	36	50	53	32	8

Does the syllabus enable the students to apply their knowledge in real life problem solving?	35	45	49	34	16
Is employability given weightage in the design and development of syllabus?	37	43	55	33	11
Does the syllabus promote self-study and attitude of research?	38	43	55	29	14
Does the syllabus meet your overall expectations?	37	46	51	32	13

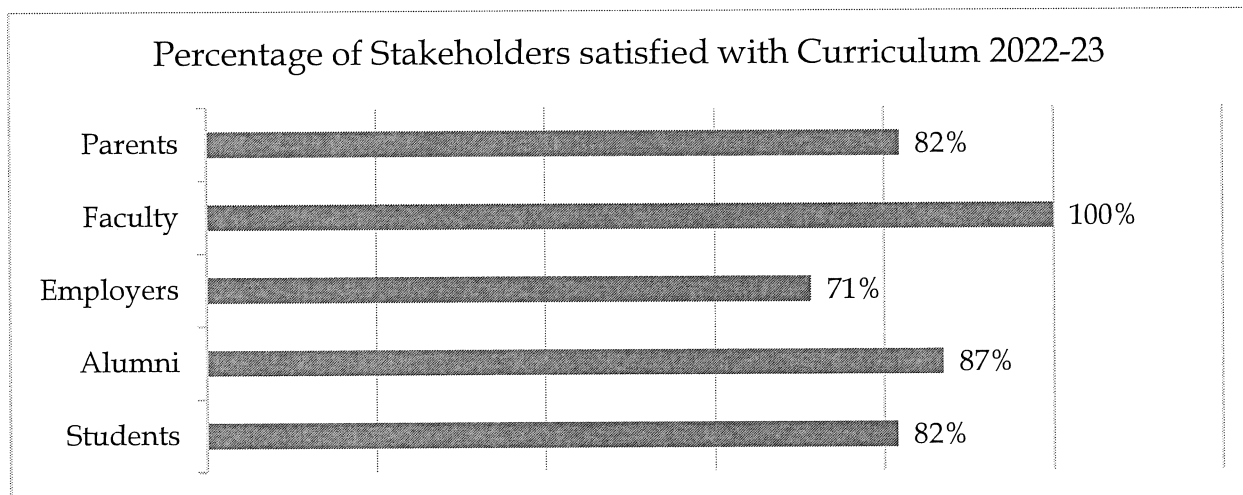Analysis of Student Feedback on Curriculum - 2022
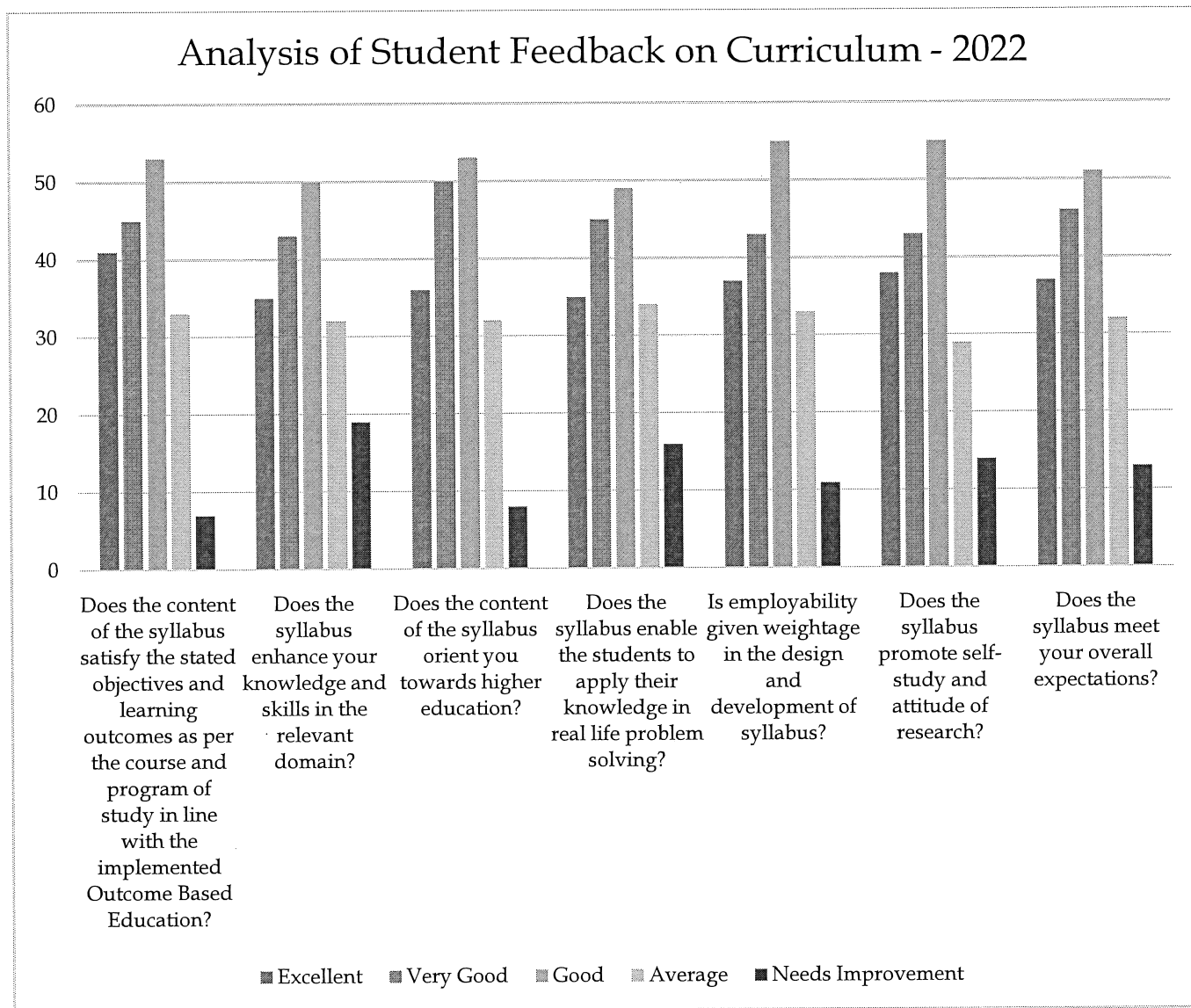
The above graph is a representation of the feedback responses given by the students as per the questionnaire.
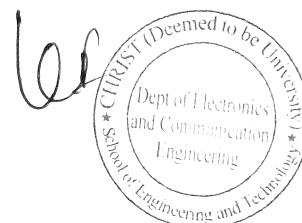
The graph given below depicts the overall expectation meeting of the students from all years as far as syllabus is concerned. From the graph, it can be seen that the students have given a feedback where 82% of the students are satisfied with the curriculum being offered. However, when the general comments and suggestions were analyzed, the following were the main points given by the students

- In the curriculum of B.Tech in Electronics and Communication Engineering,B.Tech-Electronics and Computer Engineering and M.TechVLSI and Embedded Systems, no major concerns were present based on the feedback.

Percentage of Stakeholders satisfied with Curriculum 2022-23

Stakeholder	Percentage
Parents	82%
Faculty	100%
Employers	71%
Alumni	87%
Students	82%

Faculty Feedback on Curriculum

Faculty members are the backbone of any higher education institution and their feedback is very important to analyse the curriculum and to update it as per the necessity. As a practice, the department takes feedback from every course handling faculty member and the below section is an analysis of the same.

The questionnaire floated with 21 faculty members concentrated on the below questions and also on suggestions/ recommendations for the courses handled by them in the even semester of 2021-22 and odd semester of 2022-23. The synopsis of the same is given below

Question
Does the course curriculum fulfills your expectations
Does the curriculum create any interest to pursue Research/Development in the particular topic for the students?
Does the syllabus cater to industry and global needs? If no, then specify the technologies/topics to be added to make it more updated
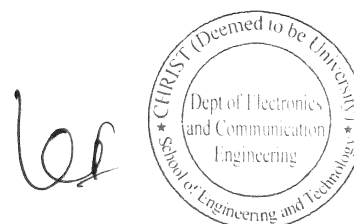
2023-24 is the year for major revamp of the syllabus of all the programmes offered by the Department. In this regard, the Department shall convene several meetings of the Curriculum Design and Development Cell (CDC) and ensure that the syllabus is modified and revised as per the outcomes defined for the programme.

In addition to the above feedback collected from faculty members, feedbacks were also collected from alumni, employers and parents. The major suggestions as given by these stakeholders are as follows

1. Inclusion of more hands on training in the trending areas like artificial intelligence and machine learning.
2. More facility setup at the campus related to microchip fabrication and manufacturing process.

Parent Feedback on Curriculum

Among the stakeholders, perspective of parents has a crucial role in making usunderstand and identify the areas for continuous improvement. Through the feedback collected from the parents, the following were the major highlights

1. Introduction of new courses in trending areas of artificial intelligence, machine learning, 5G communication etc
2. More internships and projects should be given to students.

Industry ExpertFeedback on Curriculum

A 360-degree feedback should involve all the involved stakeholders and in order to understand whether the defined curriculum is relevant to the industry and updated with the current trending areas in the respective domain, we need to collect the feedback from experts from the industry who are well versed in their respective domain and also from some employers who are having our students as their employees after their graduation. Through the feedback collected from the industry experts, the following were the major highlights

1. Introduce GitHub profile for students and faculty members.
2. Introduce more concepts related to accelerators and parallel processing in subjects related to VLSI design.
3. Introduce more communication related courses especially on 5G communication.
4. Introduce courses in machine learning applications, cyber forensics and blockchain.

This analysis report on all the feedbacks collected from the students, faculty members, alumni and verticals shall be presented to the Department CDC for discussion and deliberation to be recommended to the Department Board of Studies for the academic year 2023-24 to be held in the month of March 2023.
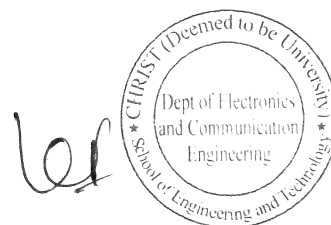
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Action Taken Report on Curriculum Feedback Analysis 2022-23

Stakeholder	Major feedback	Action Taken
Students	More emphasis on industry requirements	• Entire curriculum has been revised and industry case studies included • Introduction of 4 multidisciplinary courses with project based learning and assessment
Alumni	Make students industry ready through internships and projects	• Flexibility in the curriculum to accelerate and dedicate the final year for internships with stipend
Employers	Courses to be revised and include trending areas like 5G communication	• 5G communication has been included. OFDM modulation techniques have been revamped.
Faculty	Few redundant topics across courses should be identified and revised	• Semiconductor theory of Basic Electronics has been revised • Care has been taken to ensure no redundant topics exist
Parents	Satisfied with the curriculum and facilities	Noted