

Feedback Analysis of Computer Science and Engineering Department

MAULANA ABUL KALAM AZAD
UNIVERSITY OF TECHNOLOGY,
WEST BENGAL



MAULANA ABUL KALAM AZAD UNIVERSITY OF TECHNOLOGY
(FORMERLY KNOWN AS WEST BENGAL UNIVERSITY OF TECHNOLOGY)

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West Bengal 700064

Department of
Computer Science &
Engineering

**FEEDBACK ANALYSIS OF STAKEHOLDERS AND ACTION
TAKEN REPORT (2020 -2021)**

Feedback was requested from following stakeholders

Sl. No.	Stakeholder	Count
1.	Students	219
2.	Teacher	15
3.	Alumni	38
4.	Employer	6
5.	Parents	182

Feedback Analysis of Stakeholders and Action Taken Report

Sl. No.	Stakeholder	Feedback	Action Taken
1.	Student	<p>Totally 219 students gave their feedback on curriculum for the academic year 2020-2021.</p> <p>Majority of the students strongly agreed that the interaction by teachers with students is more feasible and reliable.</p> <p>The students suggested that it would be very helpful if the Placement training can be organised from the reputed premises can also be included as a part of the curriculum.</p> <p>Special classes are required for first semester arrear subjects.</p> <p>Need special classes for 1st semester arrear paper.</p>	<p>From the analysis of the students' feedback it is revealed that they are satisfied with the curriculum framed.</p> <p>Convey the gratitude to Faculty members and suggested to retain it.</p> <p>Training and placement cell have arranged training classes from reputed premises like Skillrack, AMCAT, SMART, Co cubes.</p> <p>Scheduled the special classes for the students.</p> <p>Special classes are planned for the students.</p>
2.	Teacher	<p>The faculty members get representations in the Board of Studies, Department Advisory Committee and Academic Council, where the staff members are getting ample opportunities to give feedback, on both curriculum and teaching learning process.</p> <p>Training programs should be conducted for the students in emerging areas.</p>	<p>The suggestions given by them related to specific subjects were noted for further action.</p> <p>Hands on training for different software's must be included.</p>

		<p>Staff members can be allowed to attend FDP programs during the semester in premier institutions.</p> <p>Dedicated teams can be developed for the participation in national level technical events.</p> <p>Training programs are needed in</p>	<p>The management encouraged staff members to attend FDP programs during semester based on the quality of the program.</p> <p>Various teams have identified and mentors are allocated.</p>
3.	Alumni	<p>the recent technologies like artificial intelligence, blockchain and machine learning.</p> <p>Need more value added courses.</p> <p>Separate smart class required.</p> <p>Internship has to be improved.</p> <p>Mini projects have to be included in the curriculum.</p> <p>Frequent alumni interactions can be arranged.</p> <p>Students need to be trained properly to attend placement interview to get the campus placement.</p>	<p>Encouraged Students to enroll online Coursera Courses, Udemy courses to Procure knowledge on Intelligent technologies.</p> <p>Arranged More value added Courses on recent (content beyond syllabus) topics.</p> <p>Established Smart class room in EEE Department.</p> <p>Identified various Eminent industries and signed MOU's with Industries to undergo internship.</p> <p>In Regulation 2017, Anna University has included mini projects in curriculum.</p> <p>Department has planned to conduct more alumni meets from group of alumnus and individuals.</p> <p>Invited resource persons from industries were made to address what their expectations from the students. Conduction of Mock interview by reputed organization HR's, based on the feedback from HR's, the overall lag has been identified and properly procured training. Arranged value added Courses with upgraded technology based applications.</p>
4.	Employers	<p>Upgraded/ Special use processors can be used for various applications in projects.</p>	<p>Upgraded technology based applications.</p>

		<p>Basic updates in technology can be shared time to time.</p> <p>Student's dress code must be monitored properly.</p> <p>The skill level of the students must be improved.</p> <p>Need training in</p>	<p>Arranged Guest lecturers to share recent technology.</p> <p>Students are Continuously monitored by counselors, mentors, ABM members and Hod's.</p> <p>Value added courses with hands-on sessions are conducted to improve the technical skills of the students.</p> <p>Mentors (Faculty) are allotted to</p>
5.	Parents	<p>Personality development and communication skills</p> <p>Need more leaves for the hostel students during the festival leaves.</p> <p>Introduction to designing of Electric Vehicle is needed.</p> <p>Exposure to the practical field of Automation is needed.</p> <p>Parents are suggested to have intensive placement training program for the students.</p>	<p>train students personality development and communication skills.</p> <p>Submitted the Suggestion to Management.</p> <p>Motivated the students to develop E-vehicle and suggested to participate symposium.</p> <p>Provided Automation Training with MOU signed CDCE automation.</p> <p>Placement training programs are started from the third year itself to improve the effectiveness during the placement drives. Some of the students are encouraged to go for internship to increase the possibilities to get placed in core companies.</p>



**FEEDBACK RELATED TO INSTITUTE SUGGESTED BY STAKEHOLDERS/
ACTION TAKEN BY THE INSTITUTION**

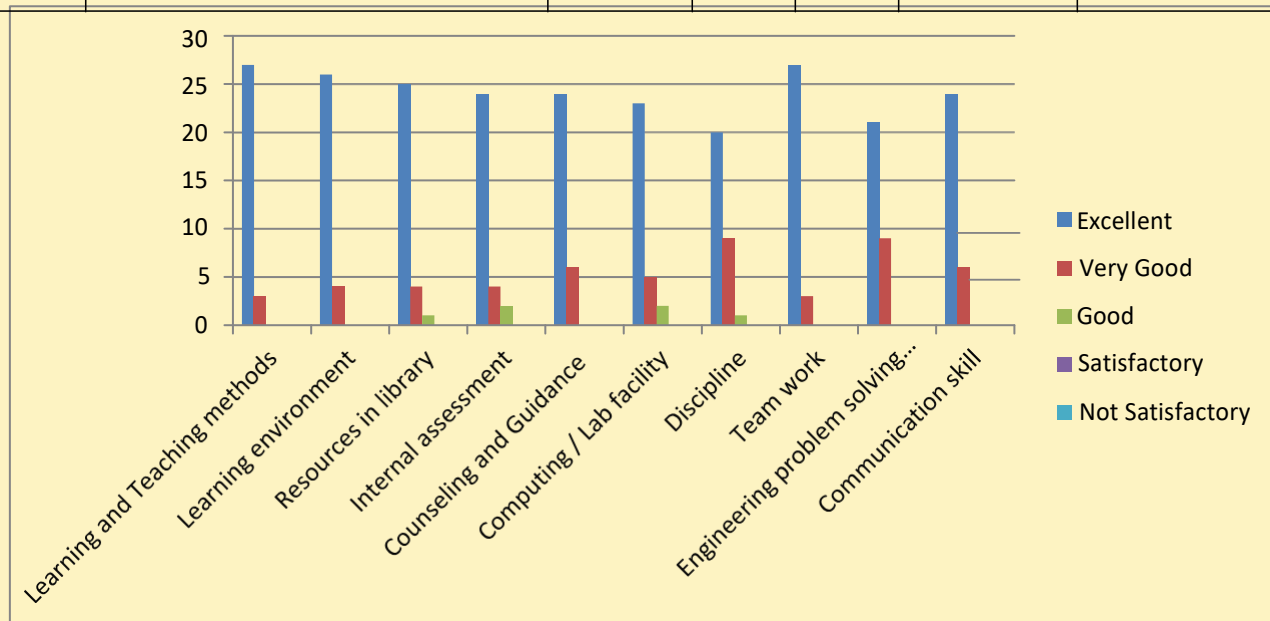
Academic Year: 2020-2021

Sl. No.	Suggestions	Follow-up
	Good strategy adopted by teachers	The strategy will be continued.
1.	for completion of syllabus, should be continued further.	
	Online exam should be conducted	Online examinations are conducted as per P & T rules and strictly followed by institute.
2.	strictly	The information has been given to the concern in charge through principal and the time has been extended
3.	Xerox center timing should be extended	
4.	Must conduct workshops on different new upcoming technologies	Workshops conducted on IOT based applications, block chain technology, artificial intelligence. Plan to conduct new technology workshops in future.

INSTITUTION FEEDBACK

ACADEMIC YEAR: 2019-2020

Sl. No.	Parameters	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
1	Learning and Teaching methods	27	3	0	0	0
2	Learning environment	26	4	0	0	0
3	Resources in library	25	4	1	0	0
4	Internal assessment	24	4	2	0	0
5	Counseling and Guidance	24	6	0	0	0
6	Computing / Lab facility	23	5	2	0	0
7	Discipline	20	9	1	0	0
8	Team work	27	3	0	0	0
9	Engineering problem solving skills	21	9	0	0	0
10	Communication skill	24	6	0	0	0



Feedback

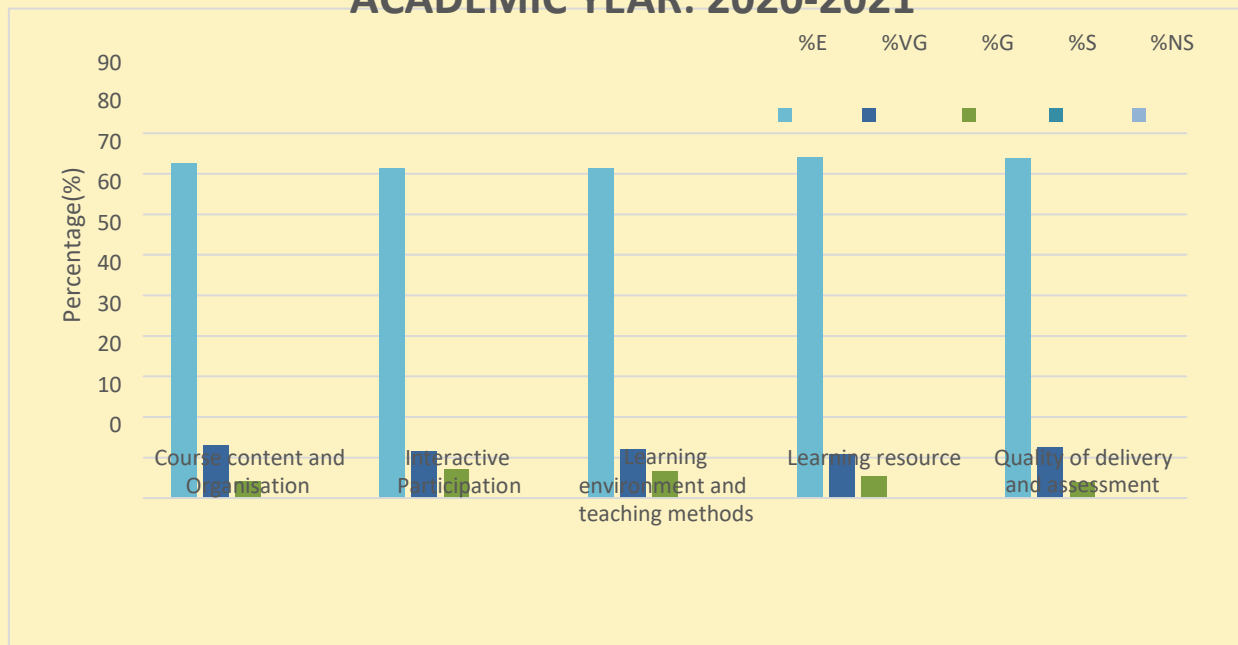
1. Continue the same strategy for syllabus completion by the faculties.
2. Conduct more online examinations as per P & T rules.
3. Extend the Xerox centre timings.
4. Conduct more workshop on IoT based applications, block chain technology, artificial intelligence and new technology

COURSE EVALUATION –FEEDBACK BY STUDENT SAMPLE REPORT

ACADEMIC YEAR: 2020-2021

CORE QUESTIONS	%E	%VG	%G	%S	%NS
Course content and Organisation	83	13	4	0	0
Interactive Participation	81	12	7	0	0
Learning environment and teaching methods	81	12	7	0	0
Learning resource	84	11	5	0	0
Quality of delivery and assessment	84	12	4	0	0

ACADEMIC YEAR: 2020-2021



Students' Feedback

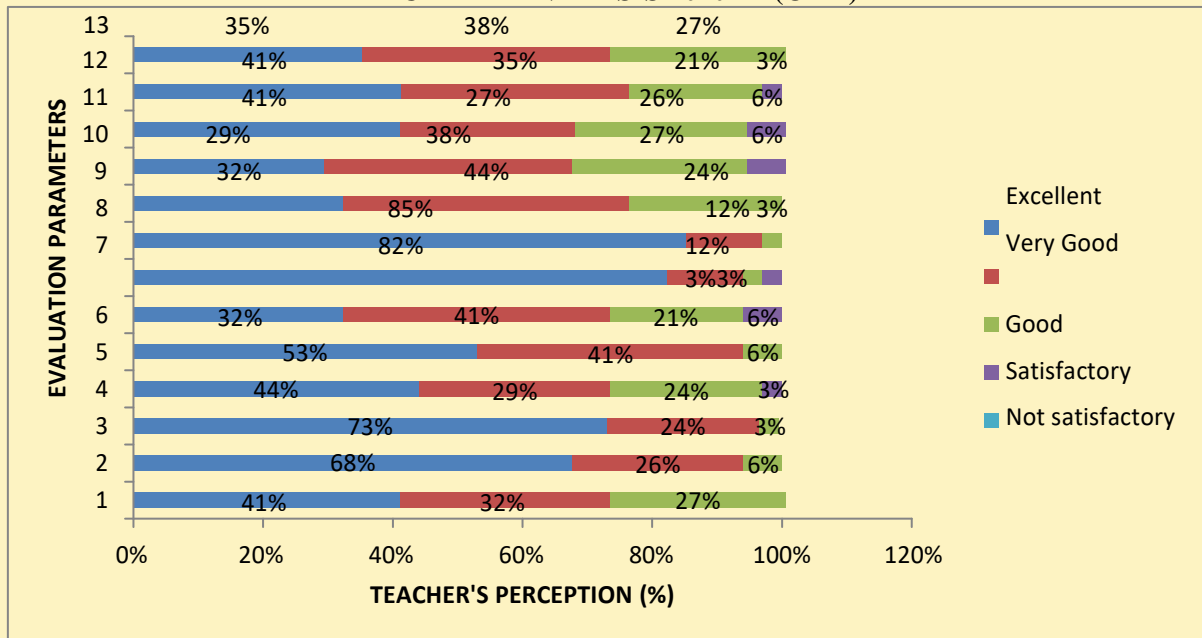
The college has obtained feedback on curriculum from students through questionnaire which contains the following major aspects such as Course content & Organisation, Interactive participation, Learning environment & teaching methods, Learning resource and Quality of delivery and assessment. Totally 360 students gave their feedback on curriculum for the academic year 2020-2021. 83% of the students population agreed that the allocation of course content is appropriate in relation to the level of course content is very much appropriate to the programme. Majority of the students strongly agreed that the interaction by teachers with students are more feasible and reliable. Around 81% of the students agreed that they are equipped with necessary teaching methods required for their programme. It is observed that 84% of the students agreed that the provision for learning resource in library was adequate and appropriate with their respective field of specialisation areas. The feedback revealed that 84% of them are strongly agreed about the quality of delivery and the internal assessment for the specified programme. Some of the students suggested that it would be very helpful if the Placement training can be organised from the reputed premises can also be included as a part of the curriculum. Special classes are required for first semester arrear subjects.

Feedback analysis report

- ✚ From the analysis of the students' feedback it is revealed that they are satisfied with the curriculum framed.
- ✚ It is reported by the students that the teaching methods are more feasible.

Sl. No.		5	4	3	2	1
1.	Curriculum is based on the needs of the stakeholders					
2.	Course objectives and Outcomes of the course are well defined and clear to faculty and students	41%	32%	27%	0%	0%
3.	Sufficient number of prescribed books are available in the library	68%	26%	6%	0%	0%
4.	The course has good balance between theory and application.	73%	24%	3%	0%	0%
5.	The course has made me interested in the subject area.	44%	29%	24%	3%	0%
6.	The course has increased knowledge potential in its application	53%	41%	6%	0%	0%
7.	Book facilities and other amenities like projectors, softwares etc., are available in the department	32%	41%	21%	6%	0%
8.	Tests and Examinations are conducted at appropriate time with proper coverage of planned units according to the college working schedule / academic schedule of anna university.	82%	12%	3%	3%	0%
9.	I have the freedom to adopt new techniques of teaching such as seminar presentations, group discussions, demonstration and student's participations.	85%	12%	3%	0%	0%
10.	Syllabus contain necessary technical skills for the students to face the industry needs	32%	44%	24%	0%	0%
11.	The electives offered are relevant to the specialization streams and to the technological advancements.	29%	38%	27%	6%	0%
12.	The laboratory experiments enhance the students in understanding the concepts and enable them to relate theory to practice (Experiential learning).	41%	27%	26%	6%	0%
13.	Facilities are provided for teaching and to adopt current trends / research.	41%	35%	21%	3%	0%

CHART ANALYSIS 2020-21 (ODD)



TEACHERS FEEDBACK ON CURRICULUM

- The examination report of the educators' criticism uncovers that they are exceedingly happy with the structure of the educational modules.
- The proposals given by them identified with explicit subjects were noted for further activity.

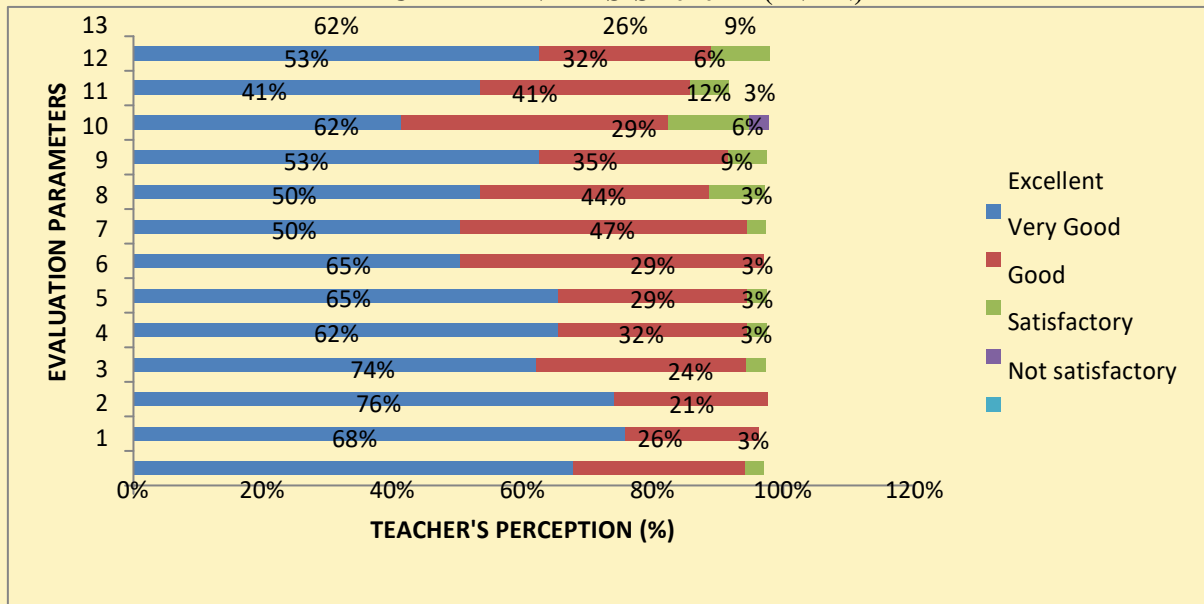
The College has made it a practice to conduct all faculty meeting, once in the starting of the semester, where the ways and means of enhancing the curriculum, academic discipline, Teaching Learning process and Research and Extension activities are discussed. During such meetings, the individual faculty members express their honest opinion on the curriculum; research and extension activities and the same would be debated and discussed. The appropriate suggestions are put forward to the respective councils for implementations. The faculty members get representations in the Board of Studies, Department Advisory Committee and Academic Council, where the staff members are getting ample opportunities to give feedback, on both curriculum and teaching learning process. Based on the feedback obtained, various industrial visits, guest lectures, value added courses and students workshops are organised to fill the gap in the curriculum.

Feedback analysis report:

- The analysis report of the teachers' feedback reveals that they are highly satisfied with the framework of the curriculum.
- The suggestions given by them related to specific subjects were noted for further action.
- Hands on training for different software's must be included.

Grade : 5-Excellent, 4-Very Good, 3- Good, 2- Satisfactory, 1- Not satisfactory						
Sl. No.	Details	5	4	3	2	1
14.	Curriculum is based on the needs of the stake holders	68%	26%	3%	0%	0%
15.	Course objectives and Outcomes of the course are well defined and clear to faculty and students	76%	21%	0%	0%	0%
16.	Sufficient number of prescribed books are available in the library	74%	24%	0%	0%	0%
17.	The course has good balance between theory and application.	62%	32%	3%	0%	0%
18.	The course has made me interested in the subject area.	65%	29%	3%	0%	0%
19.	The course has increased knowledge potential in its application	65%	29%	3%	0%	0%
20.	Book facilities and other amenities like projectors, softwares etc., are available in the department	50%	47%	0%	0%	0%
21.	Tests and Examinations are conducted at appropriate time with proper coverage of planned units according to the college working schedule / academic schedule of anna university.	50%	44%	3%	0%	0%
22.	I have the freedom to adopt new techniques of teaching such as seminar presentations, group discussions, demonstration and student's participations.	53%	35%	9%	0%	0%
23.	Syllabus contain necessary technical skills for the students to face the industry needs	62%	29%	6%	0%	0%
24.	The electives offered are relevant to the specialization streams and to the technological advancements.	41%	41%	12%	3%	0%
25.	The laboratory experiments enhance the students in understanding the concepts and enable them to relate theory to practice (Experiential learning).	53%	32%	6%	6%	0%
26.	Facilities are provided for teaching and to adopt current trends / research.	62%	26%	9%	0%	0%

CHART ANALYSIS 2020-21 (EVEN)



TEACHERS FEEDBACK ON CURRICULUM

- The examination report of the educators' criticism uncovers that they are exceedingly happy with the structure of the educational modules.
- The proposals given by them identified with explicit subjects were noted for further activity.

The College has made it a practice to conduct all faculty meeting, once in the starting of the semester, where the ways and means of enhancing the curriculum, academic discipline, Teaching Learning process and Research and Extension activities are discussed. During such meetings, the individual faculty members express their honest opinion on the curriculum; research and extension activities and the same would be debated and discussed. The appropriate suggestions are put forward to the respective councils for implementations. The faculty members get representations in the Board of Studies, Department Advisory Committee and Academic Council, where the staff members are getting ample opportunities to give feedback, on both curriculum and teaching learning process. Based on the feedback obtained, various industrial visits, guest lectures, value added courses and students workshops are organised to fill the gap in the curriculum.

Feedback analysis report:

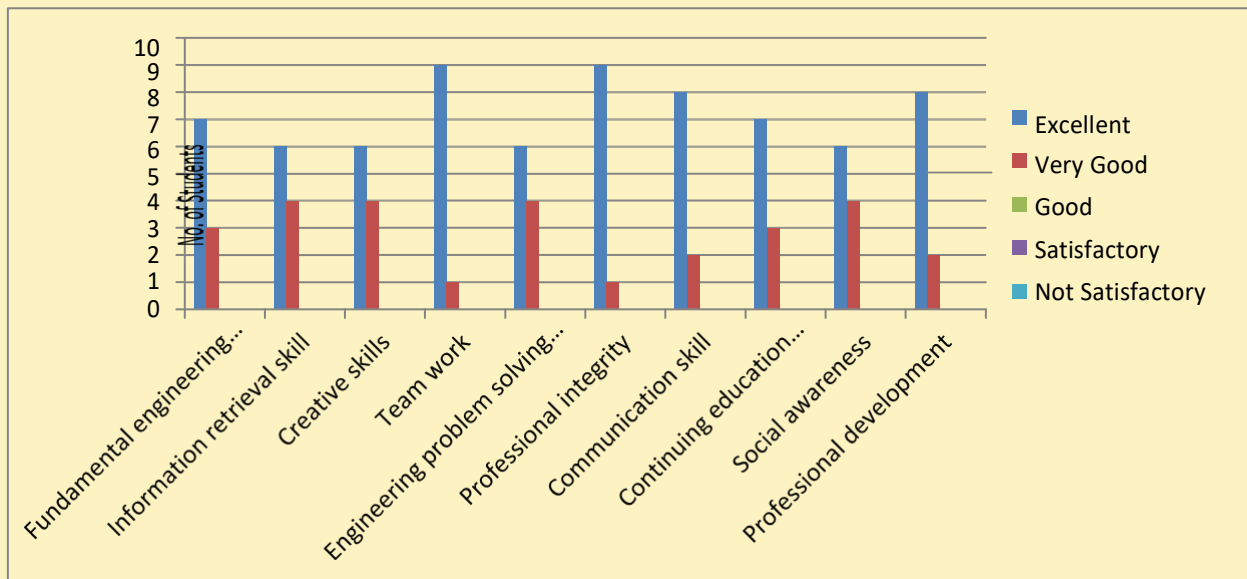
- The analysis report of the teachers' feedback reveals that they are highly satisfied with the framework of the curriculum.
- The suggestions given by them related to specific subjects were noted for further action.
- Hands on training for different software's must be included.

Exit Survey

Batch: 2016-2020

Academic Year: 2020-2021

Parameters	Excellent	Very Good	Good	Satisfactory	Not Satisfactory
Fundamental engineering analysis skill	7	3	0	0	0
Information retrieval skill	6	4	0	0	0
Creative skills	7	3	0	0	0
Team work	9	1	0	0	0
Engineering problem solving skills	7	3	0	0	0
Professional integrity	9	1	0	0	0
Communication skill	8	2	0	0	0
Continuing education awareness	7	3	0	0	0
Social awareness	6	4	0	0	0
Professional development	8	2	0	0	0
Total	74	26	0	0	0



Strength

1. Dedicated staff.
2. Good exposure about opportunities.
3. Placement training programs.
4. Online portal notes and previous year university question paper with solutions.
5. Training programs are needed in the recent technologies like artificial intelligence, blockchain and machine learning.
6. Frequent alumni interactions can be arranged.

Weakness

1. Need more value added courses.
2. Separate smart class required.
3. Internship has to be improved.
4. Mini projects have to be included in the curriculum.
5. Opportunity is less in core field.

Alumni Survey

Academic Year: 2020-2021

Alumni feedback was obtained from nearly 100 alumni for the academic year 2020-2021. The institution believes that the contribution of alumni is essential particularly in the development of the curriculum related activities. The feedback from the alumni reveals that

100% of them feel proud to be a part of the institution and are willing to contribute to the development of the institution. Majority of alumni rated the developmental activities rendered by the college for their overall Development as highly efficient.

Regarding the residential facilities, 50% of them who were in hostel rated that the food and accommodation facilities as highly efficient. Student teacher relationship, 80% of them rated that as highly efficient. While expressing their view on the career guidance and counseling as well as placement cell, 100% of them agreed that ample on campus and off campus opportunities were provided. The overall strength and weakness of the department from the alumni are summarized below.

Strength

1. Well qualified faculty members.
2. Well planned academic schedule.
3. Always tries to improve educational quality among students.
4. Subjects are completed well in advance.
5. Placement training.
6. Good exposure towards program.
7. Faculties take effective care for improving student's education and providing good notes.

Weakness

1. Need more value added courses like artificial intelligence, block chain and machine learning.
2. Separate online NPTEL classes.
3. Separate smart class is required.
4. Students have to be sent for internship to improve their industrial knowledge.
5. Mini projects have to be included in the curriculum.
6. Frequent alumni interactions can be arranged.

Feedback analysis report

- From the alumni feedback analysis report, it is evident that majority (100%) of the alumni are happy and proud to be a part of this institution and they agreed that they would recommend their friends and relatives to enroll in this institution.
- It is highly appreciated by the alumni that the measures taken by the institution in revising the curriculum are as per the emerging trends

Employer Feedback Analysis

Academic Year: 2020-2021

Sl.No.	PARTICULARS	EXCELLENT	VERY GOOD	GOOD	SATISFACTORY	NOT SATISFACTORY
1.	General communication skills	8	2	0	0	0
2.	Developing practical solutions to work place problems	7	2	1	0	0
3.	Working as part of a team	6	3	1	0	0
4.	Creative in response to workplace challenges	5	5	0	0	0
5.	Their planning and organization skills	8	2		0	0
6.	Self-motivated and taking on appropriate level of responsibility	8	1	1	0	0
7.	Open to new ideas and learning new techniques	8	1	1	0	0
8.	Using technology and workplace equipment	8	2	0	0	0
9.	Ability to contribute to the goal of the organization	9	1		0	0
10.	Technical knowledge/skill	8	1	1	0	0
11.	Ability to manage/leadership qualities	7	3	1	0	0
12.	Innovativeness, creativity	7	1	1	1	0
13.	Relationship with seniors/peers/subordinates	9	1	0	0	0
14.	Involvement in social activities	9	1		0	0
15.	Ability to take up extra responsibility	8	2	0	0	0
16.	Obligation to work beyond schedule if required	8	0	2	0	0
17.	Overall satisfaction with St.CSE DEPT students and the curriculum	8	2	0	0	0



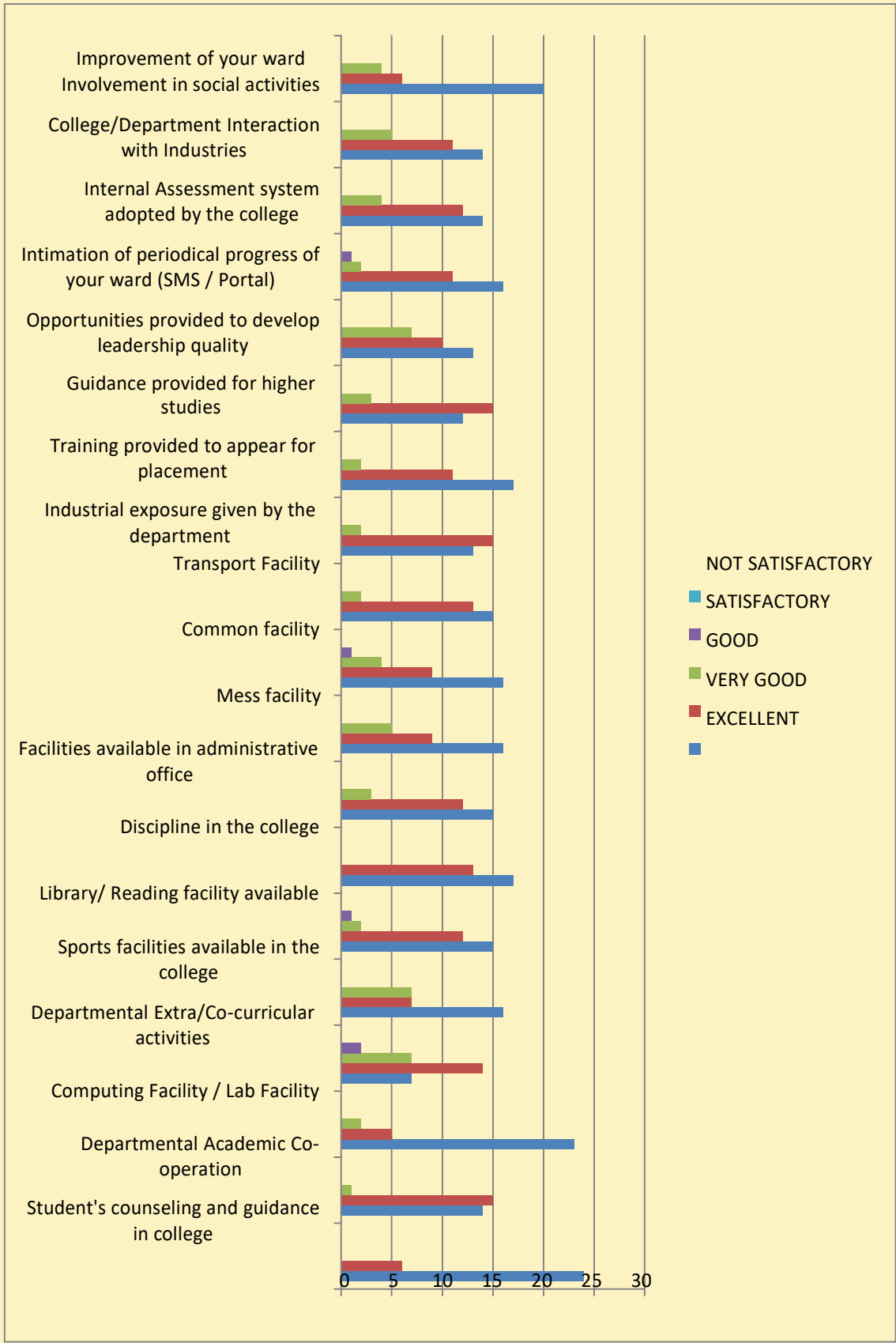
Feedback

- Students need to be trained properly to attend placement interview to get the campus placement.
- Upgraded/ Special use processors can be used for various applications in projects.
- Basic updates in technology can be shared time to time

Feedback Analysis of Parents

Academic Year: 2020-2021

Sl. No.	PARTICULARS	EXCELLENT	VERY GOOD	GOOD	SATISFACTORY	NOT SATISFACTORY
1.	Student's counseling and guidance in college	24	6	0	0	0
2.	Departmental Academic Co-operation	14	15	1	0	0
3.	Computing Facility / Lab Facility	23	5	2	0	0
4.	Departmental Extra/Co-curricular activities	7	14	7	2	0
5.	Sports facilities available in the college	16	7	7	0	0
6.	Library/ Reading facility available	25	4	1	0	0
7.	Discipline in the college	20	9	1	0	0
8.	Facilities available in administrative office	15	12	3	0	0
9.	Mess facility	16	9	5	0	0
10.	Common facility	16	9	4	1	0
11.	Transport Facility	15	13	2	0	0
12.	Industrial exposure given by the department	13	15	2	0	0
13.	Training provided to appear for placement	17	11	2	0	0
14.	Guidance provided for higher studies	12	15	3	0	0
15.	Opportunities provided to develop leadership quality	13	10	7	0	0
16.	Intimation of periodical progress of your ward (SMS / Portal)	16	11	2	1	0
17.	Internal Assessment system adopted by the college	24	4	2	0	0
18.	College/Department Interaction with Industries	14	11	5	0	0
19.	Improvement of your ward Involvement in social activities	20	6	4	0	0



Feedback Analysis of Computer Science and Engineering Department

Feedback

- Need training in Personality development and communication skills
- Need more leaves for the hostel students during the festival leaves.
- Introduction to designing of Electric Vehicle is needed.
- Exposure to the practical field of Automation is needed.

Pradyut Sarkar

18/12/2022