CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY (AUTONOMOUS), HYDERABAD-75

Stakeholders Feedback Analysis and Action Taken Report - (AY: 2020-21)

1. Students Feedback Analysis

The feedback from the students on the faculty was collected by eliciting their responses on 13 statements related to Teaching and Learning process, punctuality, assessment, skills and attitudes of the faculty. The complete questionnaire, responses are summarized as shown in the following Tables:

Table 1: Responses related to Theory Courses

S.No	Parameters	No. of Responses	Avg. Rating	%
1	His / Her coverage of syllabus till date as per the course plan / lesson plan	6339	4.59	91.78
2	Ability to explain the concepts / principles in clear and simple language.	6339	4.46	89.11
3	Competency in Medium of Instruction	6339	4.44	88.89
4	For better understanding of the course and creating interest: He / She presents relevant examples or pictures or models	6339	4.44	88.89
5	Audibility while giving the lecture	6339	4.50	90.00
6	Conduct and enthusiasm in the class in terms of voice modulation, etc.	6339	4.41	88.22
7	Interaction in the class (asking and allowing questions to be asked, and clarifying doubts)	6339	4.48	89.56
8	Overall control and class discipline during his / her class	6339	4.52	90.44
9	His / Her punctuality to the class	6339	4.59	91.78
10	a) The quality of internal tests / slip test / assignments he/she gives	6339	4.41	88.22
	b) Fairness in awarding marks	6339	4.39	87.78
	c) Discussing and analyzing the question paper and answer sheets in the class	6339	4.29	85.78
11	Your overall impression of the teacher	6339	4.49	89.78

Table 2: Responses related to Practical Courses

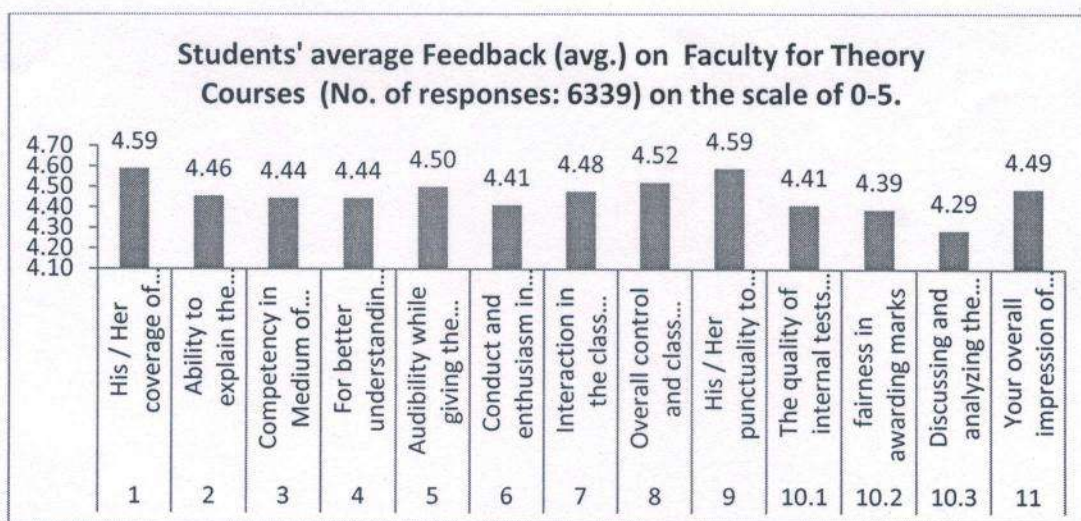| S.No	Parameters	No. of Students	Avg. Rating	%
1	Punctuality to the class	4378	4.60	92.00
2	Availability in the laboratory during the conduct of experiments	4378	4.46	89.11
3	Provide necessary guidance in understanding the objectives of the laboratory course	4378	4.48	89.56
4	Help in understanding the experiments and their outcomes	4378	4.46	89.11
5	Regularity in evaluation / assessment of the experiments / activities performed	4378	4.52	90.44
6	Guidance in acquisition of relevant skills	4378	4.44	88.89
7	Introduction of innovative experiment(s) beyond curriculum	4378	4.33	86.67

Students' average Feedback (avg.) on Faculty for Theory Courses (No. of responses: 6339) on the scale of 0-5.

Sl. No.	Parameter	Score
1	His / Her coverage of...	4.59
2	Ability to explain the...	4.46
3	Competency in Medium of...	4.44
4	For better understandin...	4.44
5	Audibility while giving the...	4.50
6	Conduct and enthusiasm in...	4.41
7	Interaction in the class...	4.48
8	Overall control and class...	4.52
9	His / Her punctuality to...	4.59
10.1	The quality of internal tests...	4.41
10.2	fairness in awarding marks	4.39
10.3	Discussing and analyzing the...	4.29
11	Your overall impression of...	4.49

Figure 1: Graph showing students' feedback on faculty for Theory Courses

Students' Feedback (avg.) about Faculty on Theory Courses (No. of responses: 439) on the scale of 0-5.

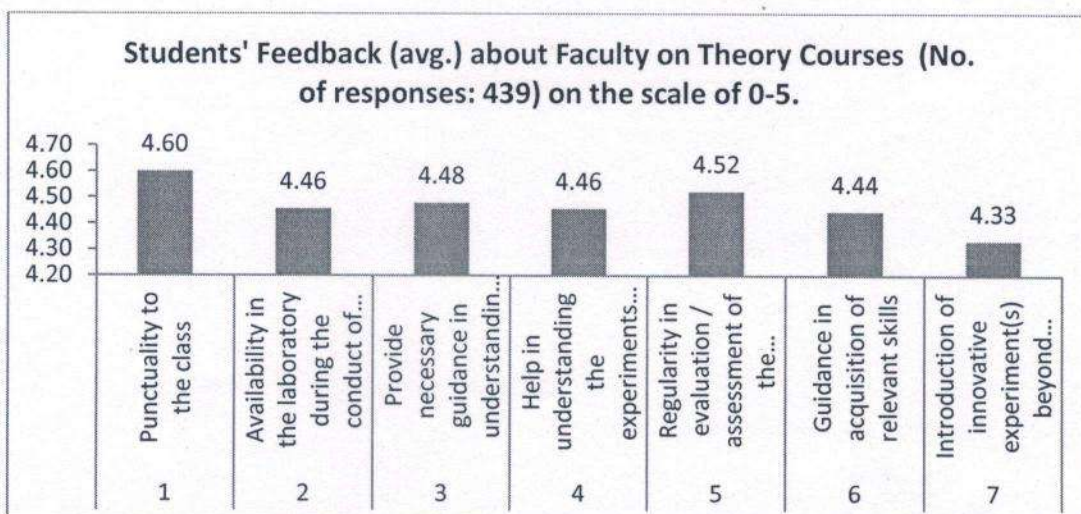| Sl. No.	Parameter	Score
1	Punctuality to the class	4.60
2	Availability in the laboratory during the conduct of...	4.46
3	Provide necessary guidance in understandin...	4.48
4	Help in understanding the experiments...	4.46
5	Regularity in evaluation / assessment of the...	4.52
6	Guidance in acquisition of relevant skills	4.44
7	Introduction of innovative experiment(s) beyond...	4.33

Figure 2: Graph showing the students' feedback on faculty for Practical Courses

From the data, it understood that the average overall impression of the faculty is 89.78% regarding the theory courses. The individual question-wise feedback given by the students is also above 87% except in the discussion of previous question papers, which is 85.78%. For the practical courses, the average question-wise feedback is 89.40%. It is also observed that that innovative experiment(s) beyond curriculum is reported relatively less i.e. 87%.

The report is submitted to the IQAC, Heads of the Departments, Directors, BoS Chairmen, and the Academic Council.

Action Taken: The institute authorities were informed about the feedback. Necessary actions are initiated to increase the weightage for practical courses in the curriculum and a provision for innovative experiments beyond curriculum.

2. Teachers Feedback Analysis

The feedback from the faculty was collected by eliciting their responses on 13 statements related to:

1. Course and Curriculum
2. Infrastructure for Teaching-Learning Transactions
3. Scheduling of Tests and Examinations
4. Faculty Freedom
5. Provisions for Professional Development

The first 7 statements in Feedback form related to the course and curriculum. The average rating given by the faculty is 4.6, indicates that the course and curriculum of CBIT serves the purpose it envisages. A small percentage of the faculty voiced their disagreement. It is suggested that HoDs, of the respective departments in their capacity as BoS Chairperson, may discuss with the faculty to identify the points of disagreement, and makes necessary corrections, if required.

Table 3: Average Response of Faculty from all the departments (**No. of Responses: 293**)

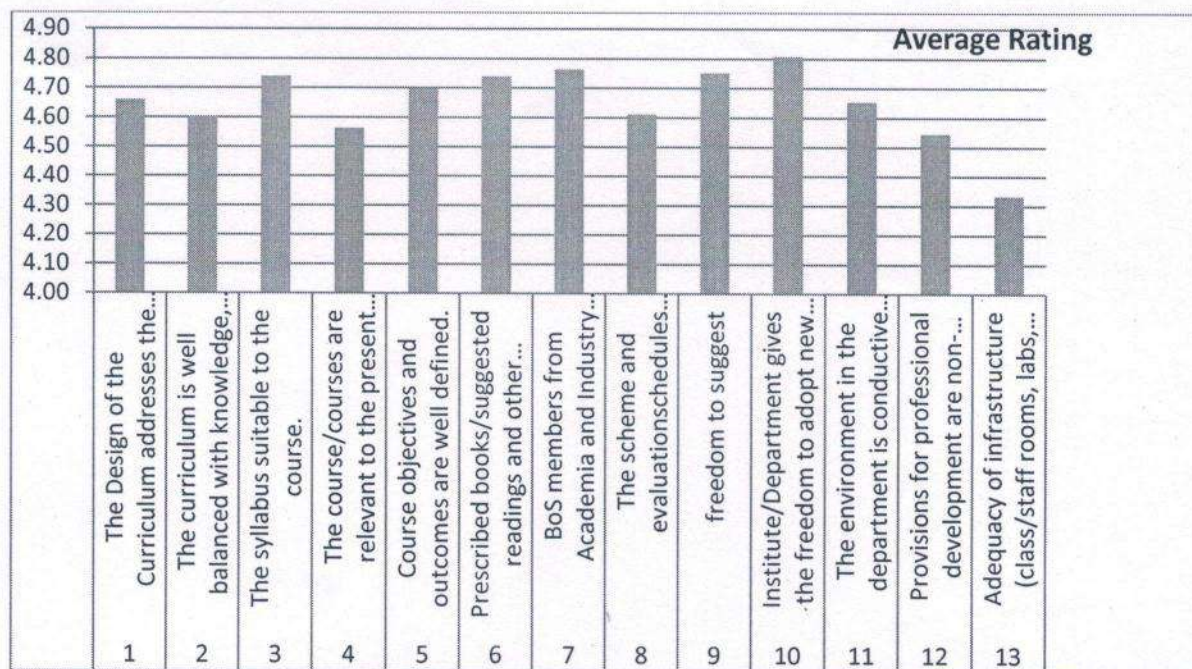| S.No	Parameters	Avg. Rating	%
1	The design of the curriculum addresses the holistic development of student.	4.66	93.20
2	The curriculum is well balanced with knowledge, skills and employability.	4.60	92.02
3	The syllabus suitable to the course.	4.74	94.76
4	The course/courses are relevant to the present scenario.	4.56	91.26
5	Course objectives and outcomes are well defined.	4.70	93.94
6	Prescribed books/suggested readings and other references appropriate.	4.74	94.74
7	BoS members from Academia and Industry constructive in updating the syllabi according to the changing educational challenges and requirements in line with regulating bodies like AICTE, UGC etc.	4.76	95.24
8	The scheme and evaluation schedules satisfy the Teaching Learning Process.	4.61	92.22
9	Freedom to suggest/propose/modify/incorporate new topics in the syllabus during the revision of curriculum?	4.75	95.04
10	Institute/Department gives the freedom to adopt new technologies/strategies of innovative teaching?	4.81	96.16
11	The environment in the department is conductive to learning, teaching, and research.	4.65	93.06
12	Provisions for professional development are non-discriminatory and fair.	4.55	90.90
13	Adequacy of infrastructure (class/staff rooms, labs, library, and ICT facilities) in the institute.	4.33	86.68

Figure 3: Graph showing the average response by the Faculty

From the data, it is understood that 92% teachers agree that the 'infrastructure for Teaching-Learning process' provided by the institution is good and satisfactory. It was found that only 2% of the faculty disagreed. Still it was felt that the matter must be brought to the notice of the authorities in order to take necessary actions in this regard. 95% of the faculty agree that the tests and examinations are scheduled taking into account the content and duration of the Teaching/learning of modules/units. 3% were neural and 2% seemed to disagree, it is necessary that the controller of examination make a serious attempt to identify any lapses in this regard.

Most of the faculty agreed that they were given the freedom to carry out teaching learning and research activates, with all the facilities provided by the institution. This is an indication that the college provided professional development opportunities to the teachers in a fair and non-discrimination manner.

The report is submitted to the IQAC, Heads of the Departments, Director, BoS Chairmen, and the Academic Council.

Action Taken: The institute authorities were informed about the feedback. Necessary actions are initiated to minimize the lapses and strengthening the infrastructure facilities further.

3. Parent Feedback Analysis

The parents' feedback on facilities, infrastructure, academic and sports was collected by eliciting their responses on 13 statements. The complete questionnaire and responses from 147 parents are summarized as shown in the following Tables:

Table 4: Responses related to Theory Courses

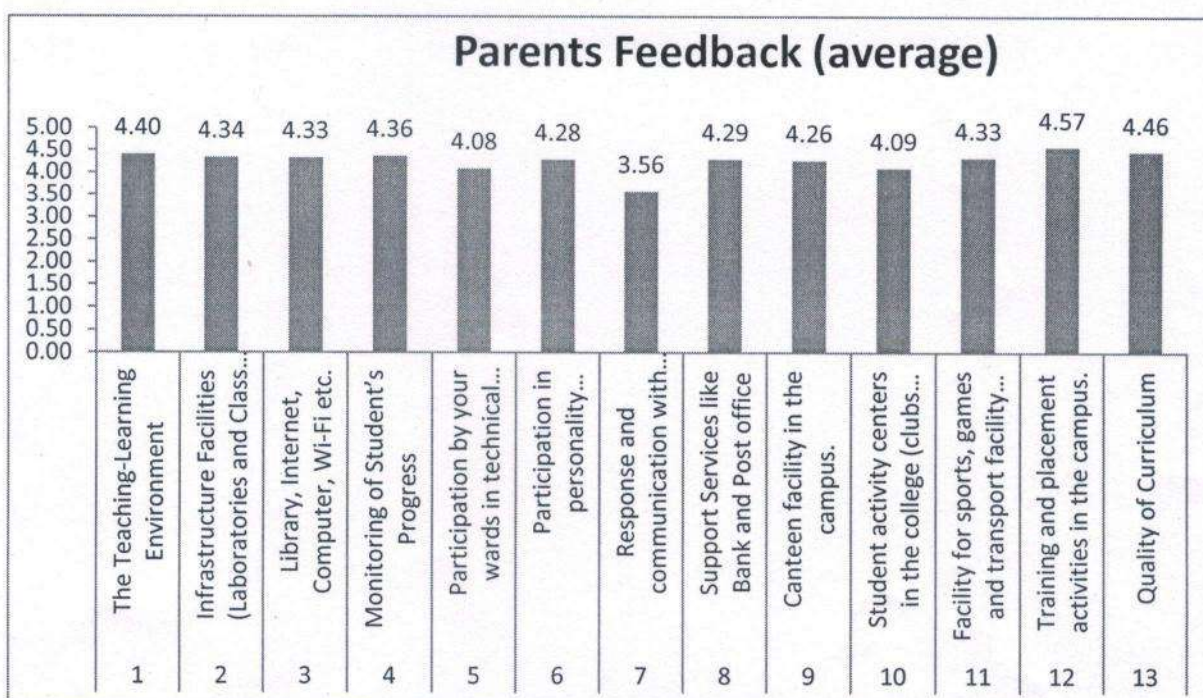| S.No	Parameters	No. of Responses	Avg. Rating	%
1	The Teaching-Learning Environment	147	4.59	88.07
2	Infrastructure Facilities (Laboratories and Class rooms)	147	4.46	86.71
3	Library, Internet, Computer, Wi-Fi etc.	147	4.44	86.57
4	Monitoring of Student's Progress	147	4.44	87.20
5	Participation by your wards in technical events (workshops and conferences).	147	4.50	81.66
6	Participation in personality development activities by your ward.	147	4.41	85.63
7	Response and communication with the college authorities.	147	4.48	71.27
8	Support Services like Bank and Post office	147	4.52	85.76
9	Canteen facility in the campus.	147	4.59	85.30
10	Student activity centres in the college (clubs and fests)	147	4.41	81.81
11	Facility for sports, games and transport facility for the students.	147	4.39	86.51
12	Training and placement activities in the campus.	147	4.29	91.44
13	Quality of Curriculum	147	4.49	89.20

Figure 4: Graph showing the Parents Feedback

The overall feedback given by the parents regarding the above mentions questionnaire is 85.16%. It is found that the parents response regarding the 'communication with college authorities' is relatively less (71.27%).

The report is submitted to the IQAC, Heads of the Departments, Directors, BoS Chairmen, and the Academic Council.

Action Taken: The institute authorities were informed about the feedback. Necessary actions are initiated to strengthen the mechanisms for improving the communication at all levels.

4. Employer Feedback Analysis

The feedback from the Employers regarding the student knowledge, skills and attitudes was collected by eliciting their responses on 11 statements. The complete questionnaire and responses from **43** Employers are summarized as shown in the following Tables:

Table 5: Responses related to Theory Courses

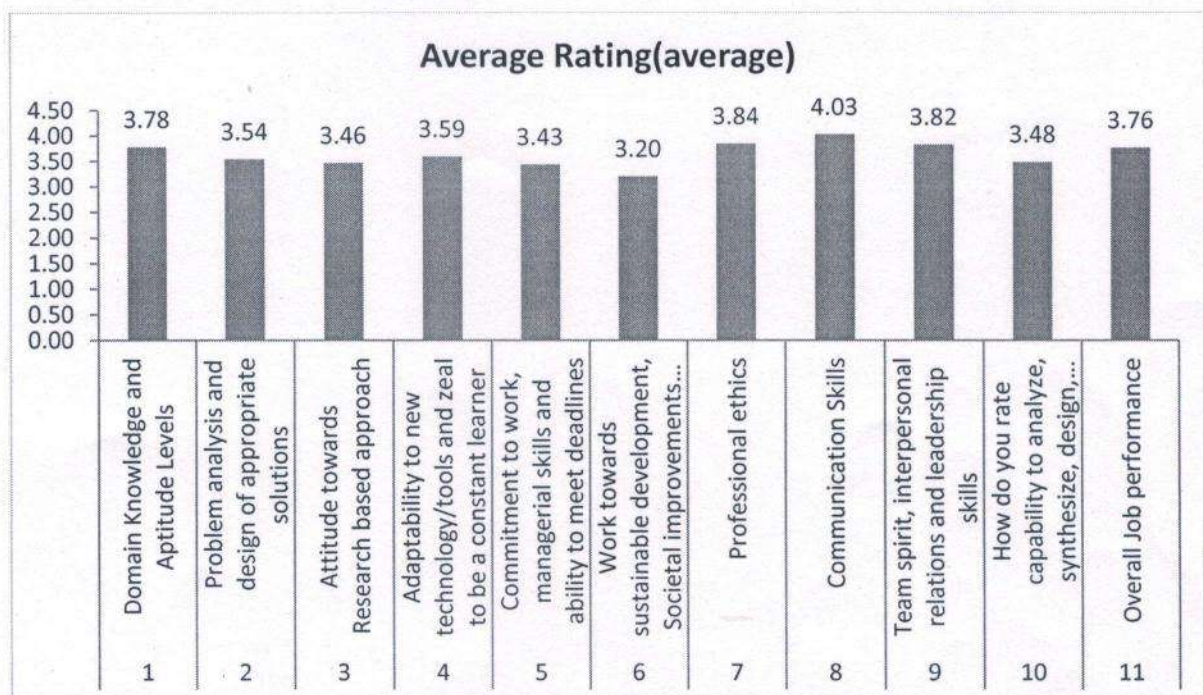| S.No	Parameters	Avg. Rating	%
1	Domain Knowledge and Aptitude Levels	3.78	75.65
2	Problem analysis and design of appropriate solutions	3.54	70.80
3	Attitude towards Research based approach	3.46	69.29
4	Adaptability to new technology/tools and zeal to be a constant learner	3.59	71.80
5	Commitment to work, managerial skills and ability to meet deadlines	3.43	68.69
6	Work towards sustainable development, Societal improvements and Environmental Benefits	3.20	63.99
7	Professional ethics	3.84	76.84
8	Communication Skills	4.03	80.50
9	Team spirit, interpersonal relations and leadership skills	3.82	76.48
10	How do you rate capability to analyze, synthesize, design, develop and test systems/processes	3.48	69.59
11	Overall Job performance	3.76	75.28

Figure 5: Graph showing the Employer Feedback

The overall average feedback given by the employers is 72.63%. However, they rated relatively low for the question numbers 3, 5, 6, and 10 (around 68%). These are related to the research attitude, managerial skills, sustainable development, and capabilities of synthesis, design.

The report is submitted to the IQAC, Heads of the Departments, Directors, BoS Chairmen, and the Academic Council.

Action Taken: The institute authorities were informed about the feedback. Necessary actions are initiated for the inclusion and implementation of mandatory internships, activity points in the curriculum to promote research attitude, creating societal awareness, exposure to the industry & technologies and develop leadership skills.

5. ALUMNI Feedback Analysis

The feedback data was collected from 148 Alumni students related to 11 items including their knowledge usage, problem solving capabilities, professional growth, standards, achievements, suitability of curriculum to meet the industry requirements etc. The complete questionnaire and responses are summarized in the following Table:

Table 6: Summary of Alumni Feedback Report (No. of Responses: 148)

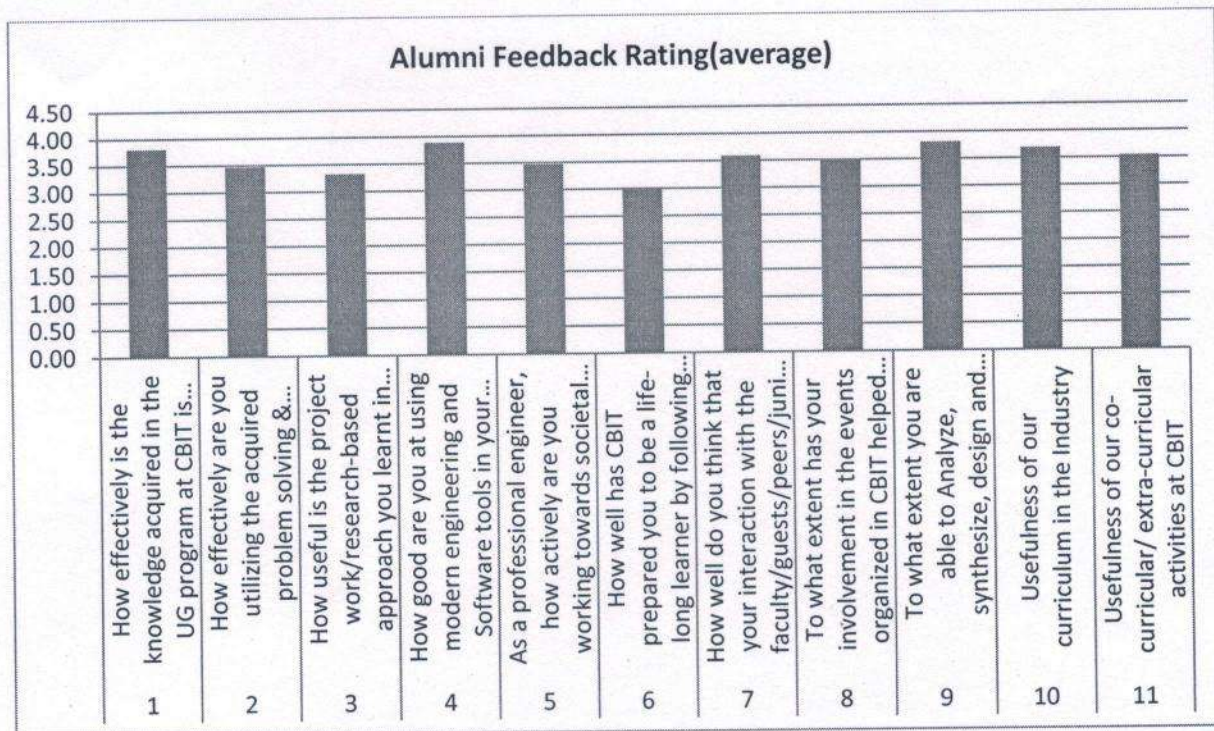| S.No	Parameters	Avg. Rating	%
1	How effectively, the knowledge acquired in the UG/PG program at CBIT is helping you in your career?	3.81	76.19
2	How effectively are you utilizing the acquired problem solving & design/development skills in your professional life?	3.47	69.33
3	How useful is the project work/research-based approach you learnt in CBIT helping you in providing valid conclusions in your work?	3.32	66.48
4	How good are you at using modern engineering and Software tools in your work environment?	3.89	77.78
5	As a professional engineer, how actively are you working towards societal and environmental benefits?	3.47	69.33
6	How well has CBIT prepared you to be a life-long learner by following professional ethics/values?	3.02	60.42
7	How well do you think that your interaction with the faculty/guests/ peers/ juniors in CBIT helped you to communicate in your work environment?	3.59	71.83
8	To what extent has your involvement in the events organized in CBIT helped you to enhance your self-confidence, team work, leadership and managerial skills?	3.49	69.75
9	To what extent you are able to Analyze, synthesize, design and test Electronics and Communication Systems.	3.81	76.25
10	Usefulness of our curriculum in the Industry	3.69	73.83
11	Usefulness of our co-curricular/ extra-curricular activities at CBIT	3.54	70.83
Average Response		3.55	71.09

Alumni Feedback Rating(average)

	1	2	3	4	5	6	7	8	9	10	11

The chart categories (X-axis labels) are:

1. How effectively is the knowledge acquired in the UG program at CBIT is...
2. How effectively are you utilizing the acquired problem solving &...
3. How useful is the project work/research-based approach you learnt in...
4. How good are you at using modern engineering and Software tools in your...
5. As a professional engineer, how actively are you working towards societal...
6. How well has CBIT prepared you to be a life-long learner by following...
7. How well do you think that your interaction with the faculty/guests/peers/juni...
8. To what extent has your involvement in the events organized in CBIT helped...
9. To what extent you are able to Analyze, synthesize, design and...
10. Usefulness of our curriculum in the Industry
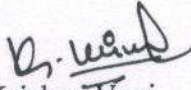11. Usefulness of our co-curricular/ extra-curricular activities at CBIT

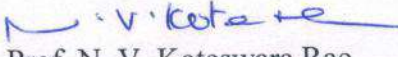**Figure 6:** Graph showing the Alumni Feedback

The overall average feedback given by the Alumni is 71.09%. However, they rated relatively low for the questions 'lifelong learning', 'usefulness of projects' and 'research-based learning', 'effective design/problem-solving skills' from 65 to 69% respectively.
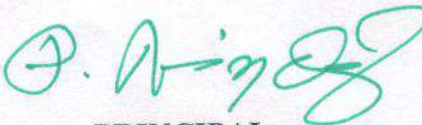
The report is submitted to the IQAC, Heads of the Departments, Directors, BoS Chairmen, and the Academic Council.

Action Taken: The institute authorities were informed about the feedback. Necessary actions are initiated to include MOOCs, Minor and Honours Degree programs in the curriculum. Also initiatives are taken to encourage student to take-up Industry/Research-oriented projects.

Prof. M. Swamy Das

Joint Director-Informatics

Prof. K. Krishna Veni

Director-Academics

Prof. N. V. Koteswara Rao

Director-IQAC

PRINCIPAL

Date: 21-08-2021