

SATHYABAMA

INSTITUTE OF SCIENCE AND TECHNOLOGY

FEEDBACK ANALYSIS REPORT

Criteria: Curriculum Design and Development

2021-2022



INTERNAL QUALITY ASSURANCE CELL



SATHYABAMA
INSTITUTE OF SCIENCE AND TECHNOLOGY
(DEEMED TO BE UNIVERSITY)

Sathyabama Institute of Science and Technology deploys proactive measures to increase the quality of Education. Sathyabama values the feedback and suggestion of all its stakeholders in successful planning and execution of all academic initiatives. The stakeholders (Employers, Alumni, Faculty and Students) submit their feedback and suggestions in the link provided in the institution website. The respondents rate their level of agreement on a scale of five points viz. (1) Strongly disagree; (2) Disagree; (3) Neutral; (4) Agree; (5) Strongly Agree. These feedbacks are analysed on a regular basis, and follow-up actions are carried out at appropriate levels Academics. Due weightage is given to the qualitative statements and comments stated by the stakeholders in the feedback form.

The analysis of stakeholders' feedback for the academic year 2021-2022 is presented as follows:

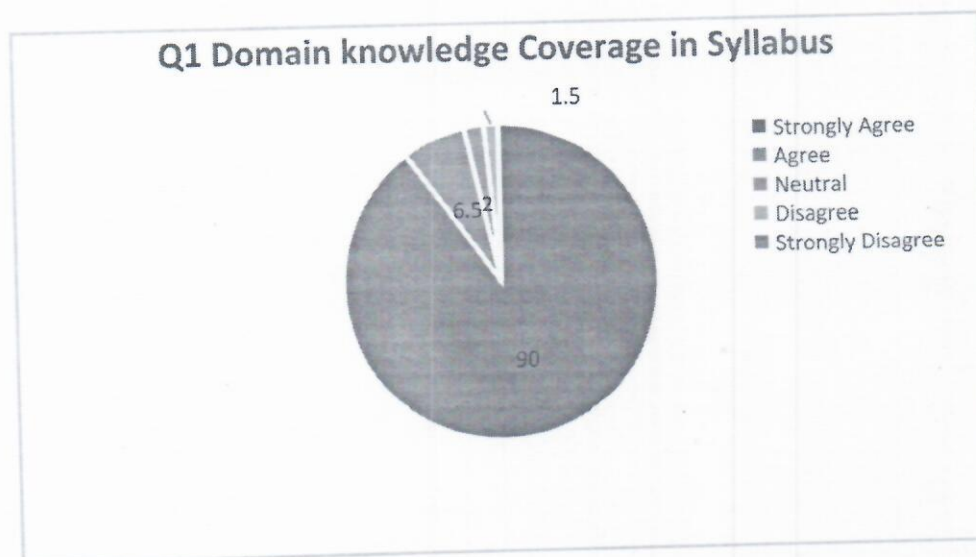
1. Analysis of Student Feedback

1.1. Questions in the Feedback Template

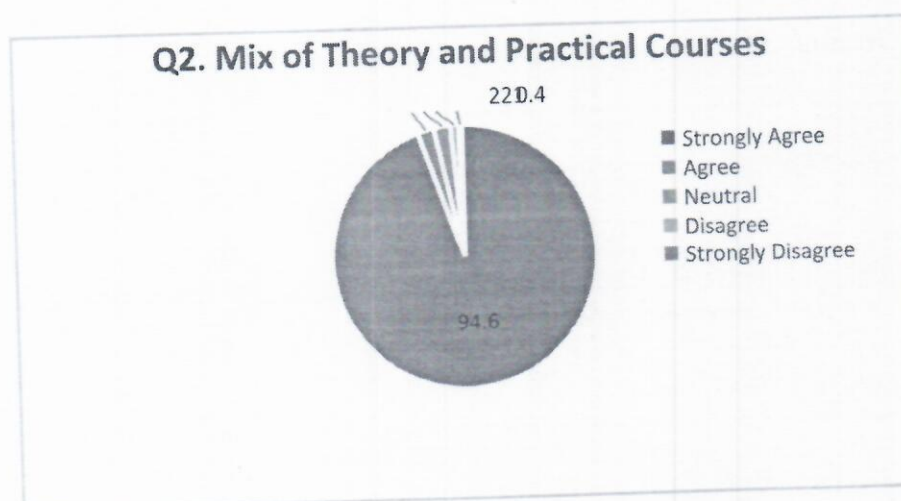
Q1	Does the curriculum have scope for acquiring strong knowledge and intellect on the specific domains
Q2	Does the curriculum have good mix of theory and laboratory aspects of courses
Q3	Has the Curriculum facilitated you in developing analytical and problem-solving skills
Q4	Rate the curriculum in making you proficient in understanding the learning outcomes and complying it.
Q5	Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics.
Q6	The innovative pedagogical approach practiced by the faculty enhances the participative learning and experiential learning for you.
Q7	Do you think the institution follows a fair assessment and evaluation process of student grading?
Q8	Are you given opportunities to demonstrate your innovative skills, leadership skills, communication skills during your study?
Q9	Are you provided options to select elective courses/ CBCS/ Values Added Courses/ Certification courses etc of your interest/requirement?
Q10	Rate the opportunities the curriculum provides to excel in co-curricular and extracurricular activities.

1.2. Analysis Report

Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Domain knowledge Coverage in Syllabus	90	6.5	2	1.5	0

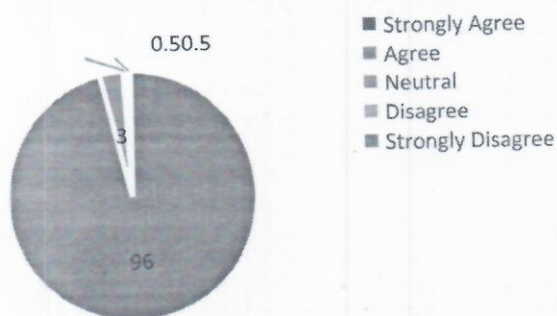


Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
2	Mix of Theory and Practical Courses	94.6	2	2	1	0.4



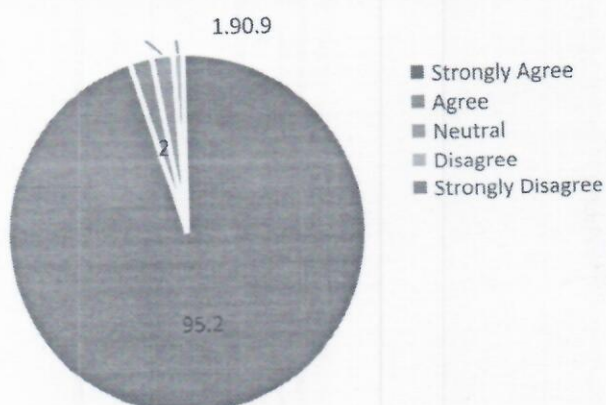
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
3	Coverage of Problem Solving and Analytical Skills	96	2	2	0	0

Q3 Coverage of Problem Solving and Analytical Skills



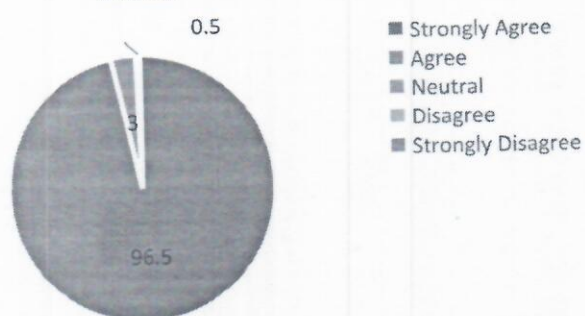
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
4	Attainment of Learning Outcomes	97.9	0.7	0.4	1	0

Q4 Attainment of Learning Outcomes



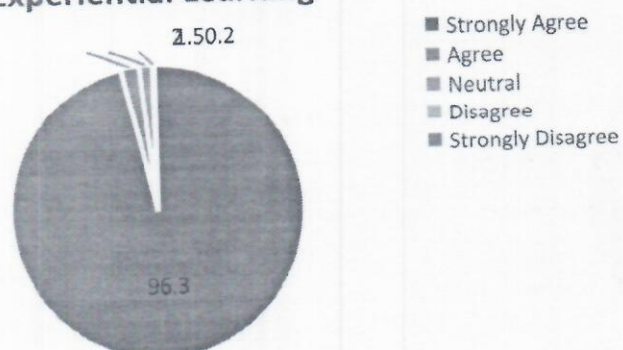
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
5	Coverage scope of Entrepreneurship Skills / Human Values and Ethics	92	3	2.8	2	0.2

Q5 Coverage of Problem Solving and Analytical Skills

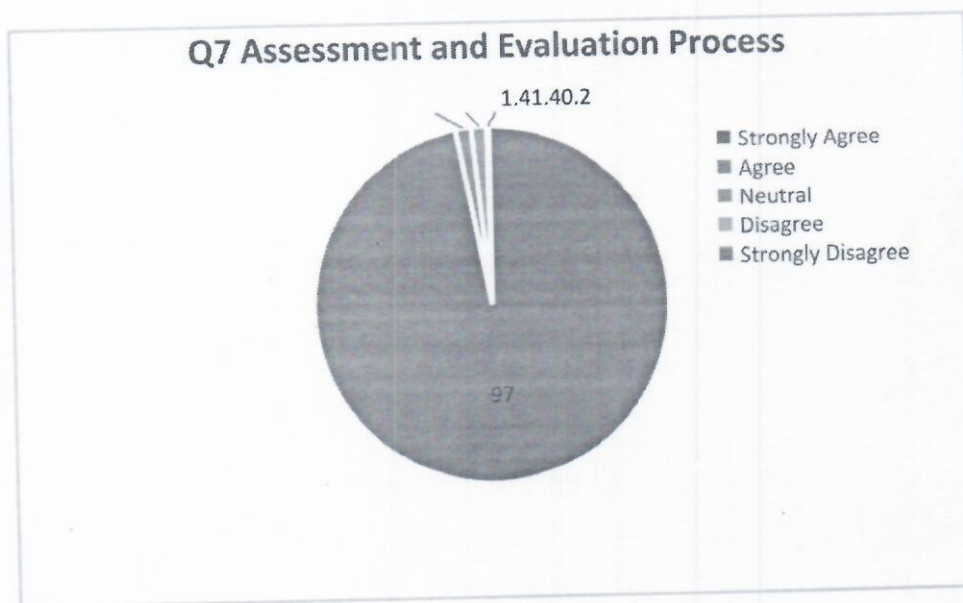


Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
6	Scope of Participative Learning and Experiential Learning	94.6	2	2	1.4	0

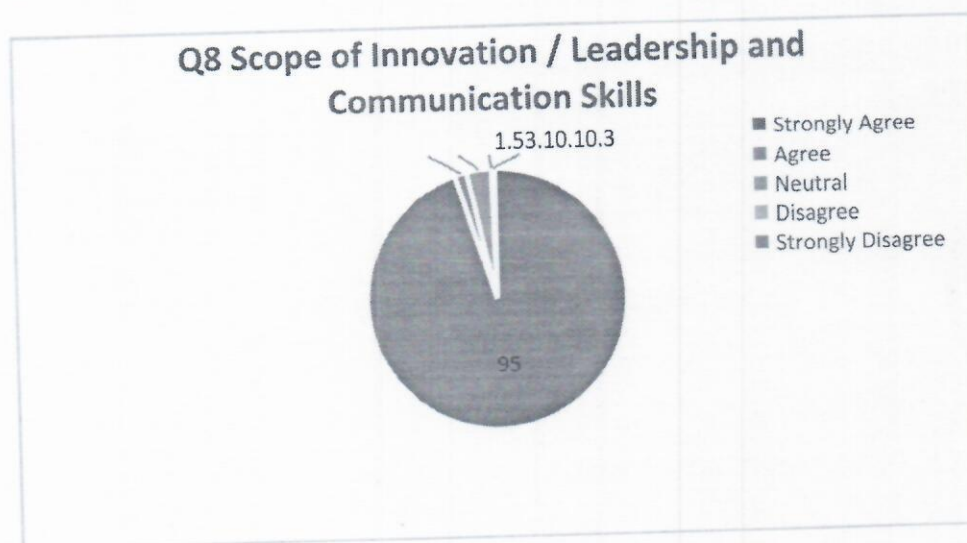
Q6 Scope of Participative Learning and Experiential Learning



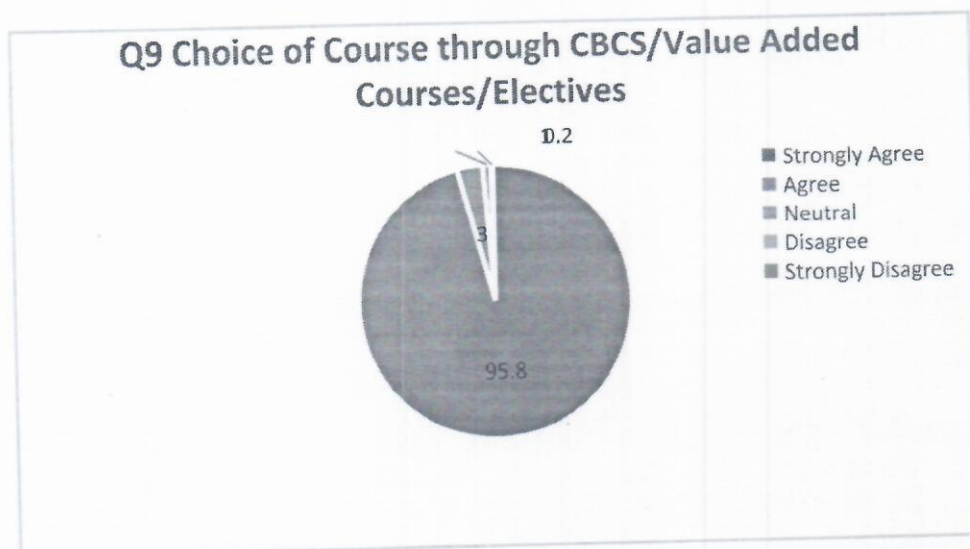
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
7	Assessment and Evaluation Process	98	0.5	1	0.5	0



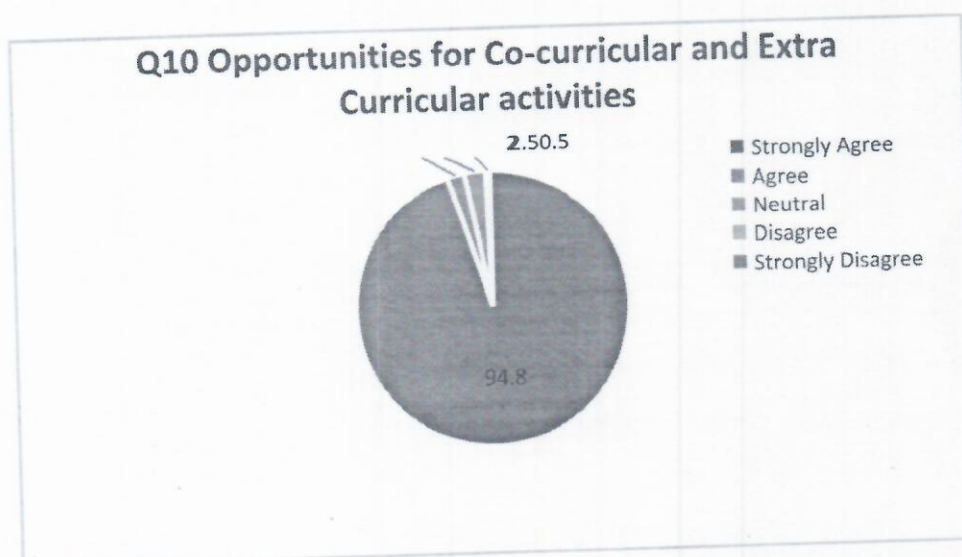
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
8	Scope of Innovation / Leadership and Communication Skills	93.5	2.2	1.8	2.5	0



Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
9	Choice of Course through CBCS/Value Added Courses/Electives	97	1	2	0	0



Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
10	Opportunities for Co-curricular and Extra Curricular activities	95	3	1	0.5	0.5



1.3. ANALYSIS

- The students suggested that more number of projects can be facilitated through consultancy and internships.
- Students appreciated the inclusion of professional and open electives
- The exposure given towards leadership and entrepreneurial skill development was highly appreciated by students.
- The students suggested inclusion of courses with more real-time experiences.
- Inclusion of courses like deep learning, robotics and machine learning was suggested for non-computer science students

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2. Analysis of Faculty Feedback

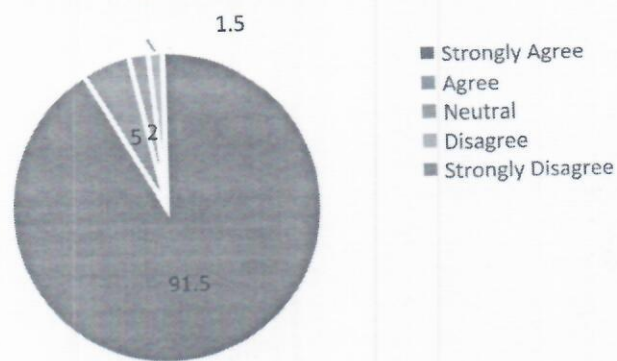
2.1. Questions in the Feedback Template

Q1	Rate your opinion on the relevancy/ sufficiency of the courses on latest technology trends.
Q2	Does the curriculum have good mix of theory and laboratory aspects of courses
Q3	Rate the liberty you are given to contribute your ideas in course revision, curriculum design, development and innovative pedagogical initiatives
Q4	Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning?
Q5	Rate your satisfaction on the process followed for the periodic curriculum revision by the institution
Q6	Your view on whether the experiences gained through Projects/ Internships/ certifications facilitated more Employability skills/ Communication skills/ confidence in students.
Q7	Does the curriculum have scope for acquiring strong knowledge and intellect on the specific domains through electives/CBCS/ Value Added Courses/ Certifications, etc
Q8	Do you think that the students are given opportunities to demonstrate their innovative skills, leadership skills and communication skills
Q9	Does the curriculum clearly state the learning outcomes and the process of assessment and evaluation?
Q10	Are the academic initiatives of the department contributing towards achieving the Mission and Vision of the institution

2.2. Analysis Report

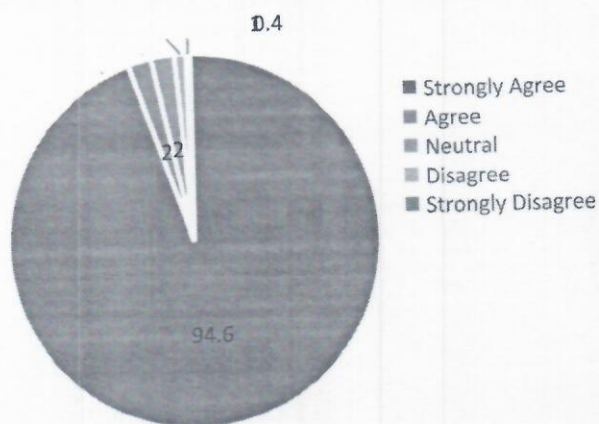
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Domain Knowledge coverage in Syllabus	91.5	5	2	1.5	0

Q1 Domain knowledge Coverage in Syllabus



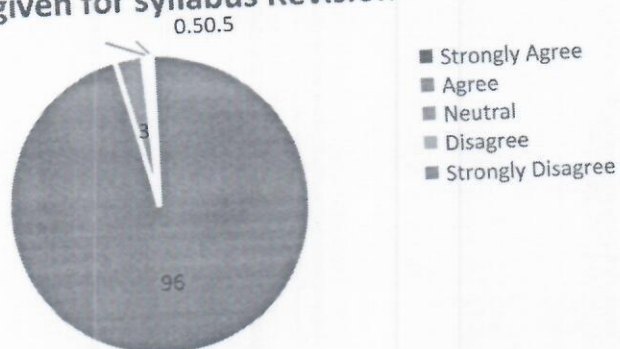
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
2	Mix of Theory and Practical Courses	94.6	2	2	1	0.4

Q2. Mix of Theory and Practical Courses



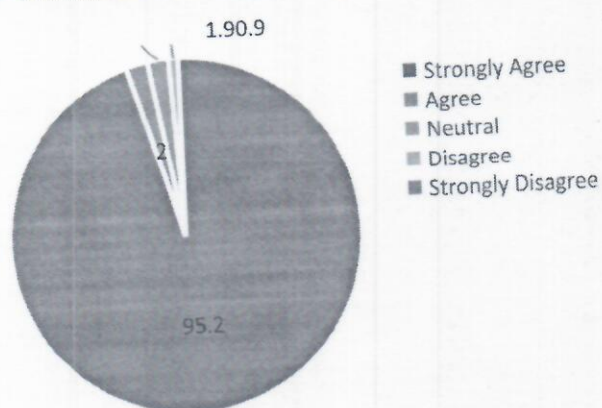
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
3	Inputs given for syllabus Revision	96	3	0.5	0.5	0

Q3 Inputs given for syllabus Revision



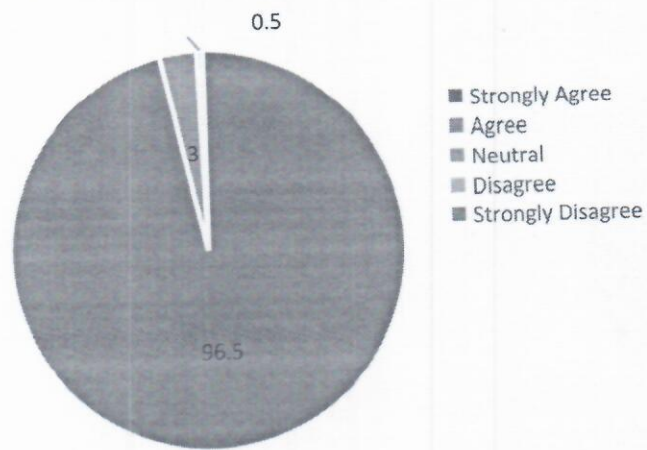
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
4	Scope for constructive Learning	95.2	2	1.9	0.9	0

Q4 Scope for constructive Learning



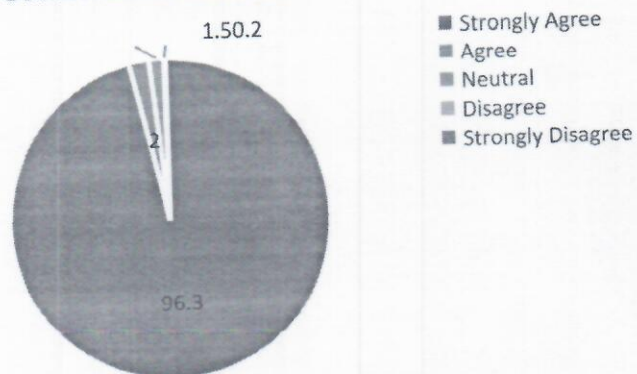
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
5	Frequency of Curriculum Revision	96.5	3	0.5	0	0

Q5 Frequency of Curriculum Revision

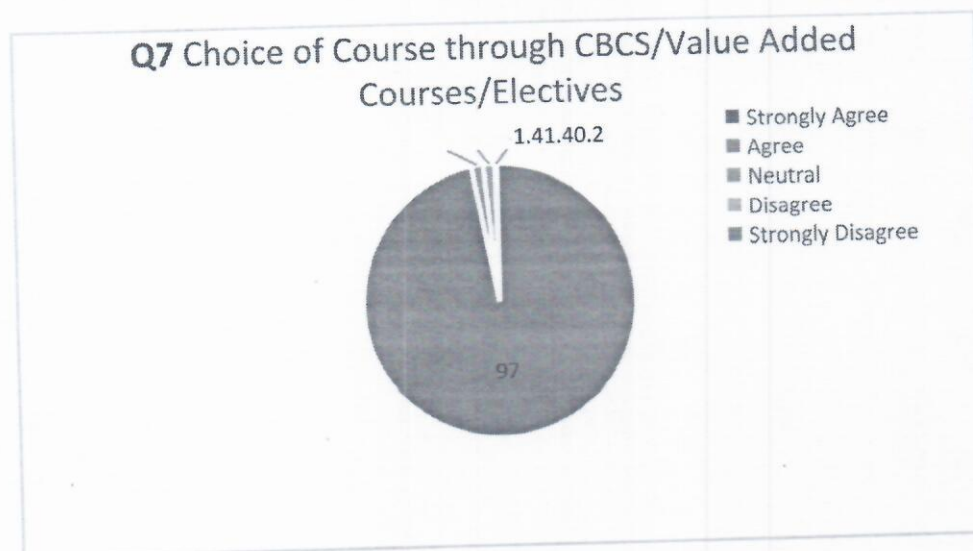


Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
6	Facilitation of Employability skills, Communication skills	96.3	2	1.5	0.2	0

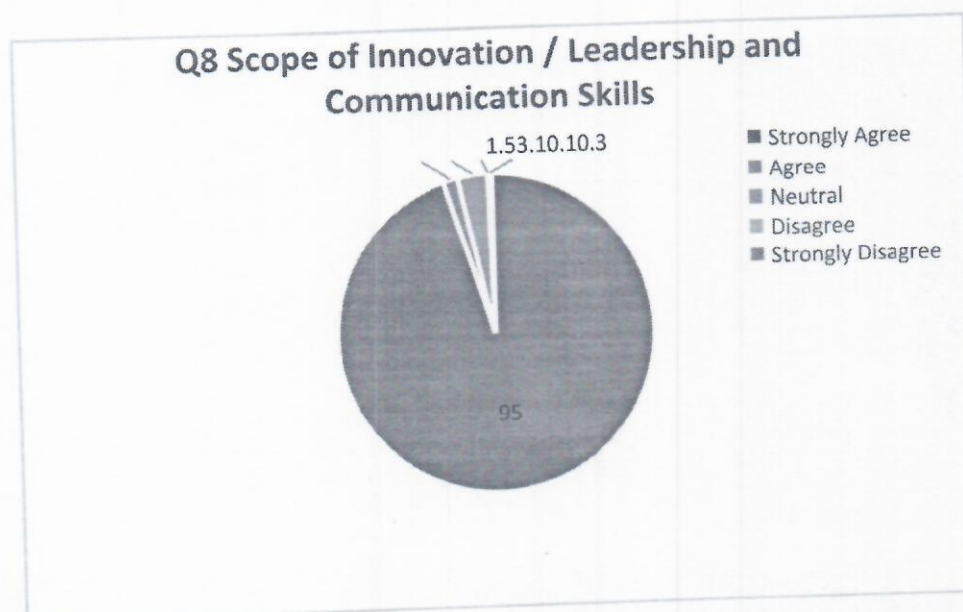
Q6 Facilitation of Employability skills, Communication skills



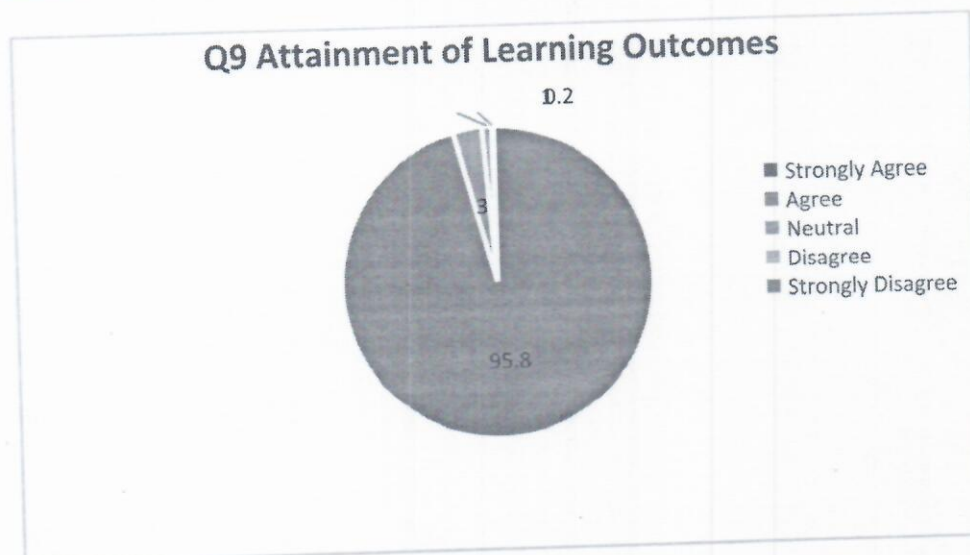
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
7	Choice of Course through CBCS/Value Added Courses/Electives	97	1.4	1.4	0.2	0



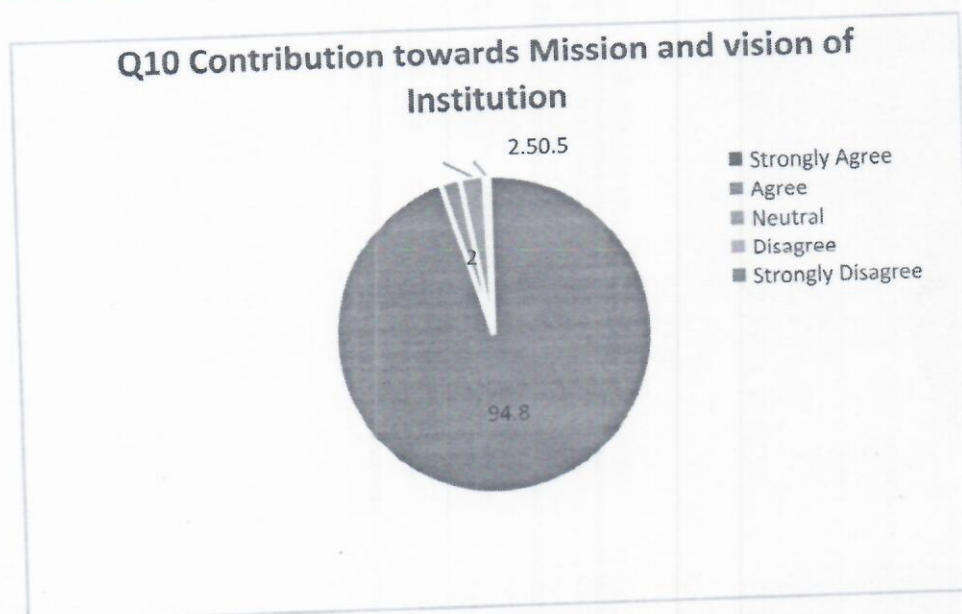
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
8	Scope of Innovation / Leadership and Communication Skills	95	1.5	3.1	0.1	0.3



Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
9	Attainment of Learning Outcomes	95.8	3	1	0.2	0



Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
10	Contribution towards Mission and vision of Institution	94.6	2.5	2.9	0.3	0



2.3. ANALYSIS

- Faculty suggestions on including all application based papers were accommodated in the curriculum.
- Faculty suggested more credits to be allotted for professional and open electives to increase domain and sub domain specific knowledge among students.
- Faculty suggested the inclusion of courses with hands on lab experiences would enhance the learning of students
- Courses on Genomics, digital sciences can be included
- Faculty suggested the inclusion of domain oriented basic science courses for students to have in depth understanding of the applications.

3.



Analysis of Alumni Feedback

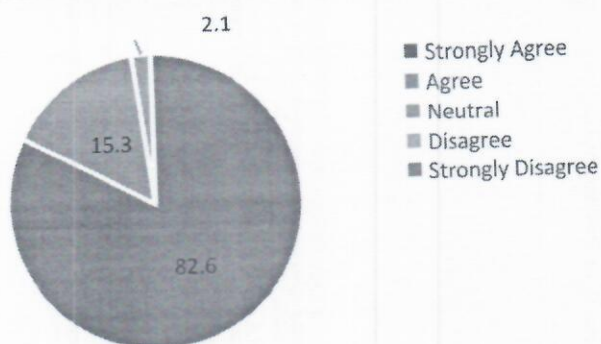
3.1. Questions in the Feedback Template

Q1	Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?
Q2	Rate whether the experiences gained through projects/ internships/ certifications facilitated more employability skills/ communication skills/ confidence in you.
Q3	How effective is the Curriculum in developing analytical and problem-solving skills
Q4	Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning.
Q5	Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics.
Q6	Rate the scope of the curriculum in developing the following attributes - creativity, leadership, innovation, self-motivation, workplace ethics, social responsibility
Q7	The curriculum facilitates in acquiring the learning outcomes of the programme of study.
Q8	Your opinion on the various platforms and opportunities facilitated by the Institution to achieve your goals.
Q9	Is the curriculum facilitating enhancement of practical competencies as needed by the industry?
Q10	Rate your participation in the various academic initiatives of the Institution.

3.2 Analysis Report

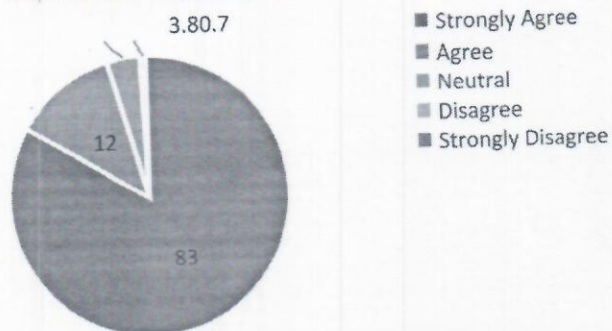
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus meets Industry Standards	82.6	15.3	2.1	0	0

Q1 Syllabus meets Industry Standards



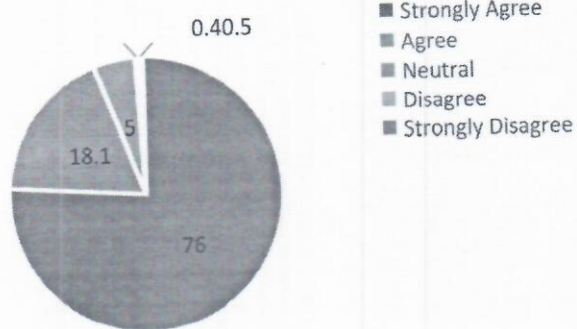
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
2	Scope of Employability and Communication Skill Development	83	12	3.8	0.7	0

Q2. Scope of Employability and Communication Skill Development



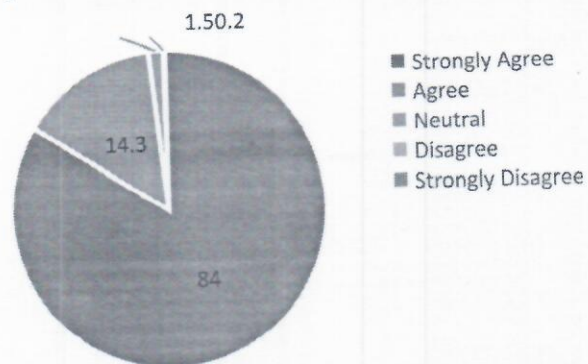
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
3	Development of Analytical and Problem Solving Skills	76	18.1	5	0.4	0.5

Q3 Development of Analytical and Problem Solving Skills



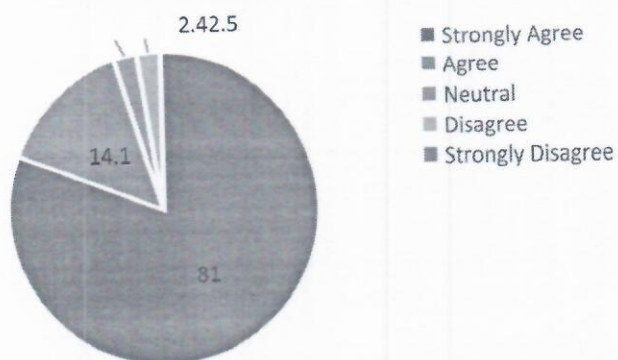
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
4	Scope of Constructive Learning	84	14.3	1.5	0.2	0

Q4 Scope of Constructive Learning



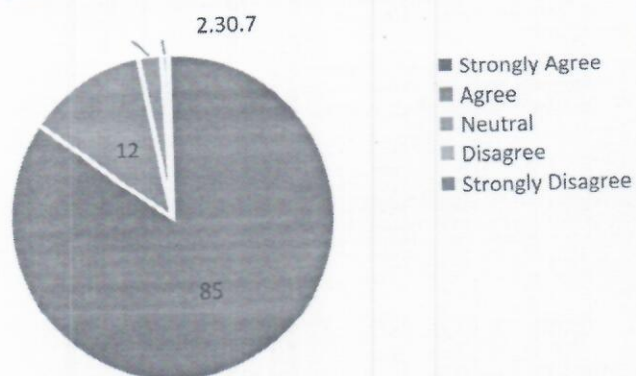
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
5	Coverage scope of Entrepreneurship Skills / Human Values and Ethics	81	14.1	2.4	2.5	0

Q5 Coverage scope of Entrepreneurship Skills / Human Values and Ethics



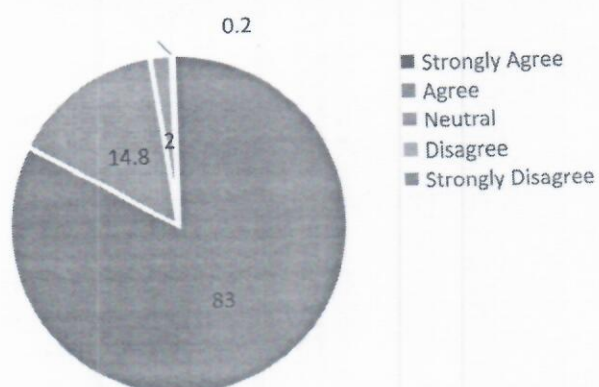
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
6	Scope for Holistic Development	85	12	2.3	0.7	0

Q6 Scope for Holistic Development



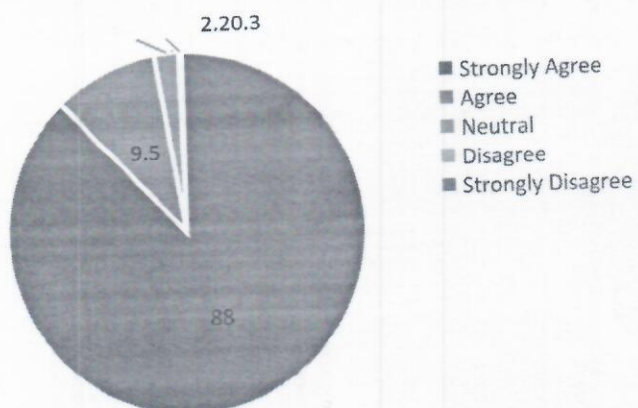
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
7	Attainment of Learning Outcomes	83	14.8	2	0.2	0

Q7 Assessment and Evaluation Process

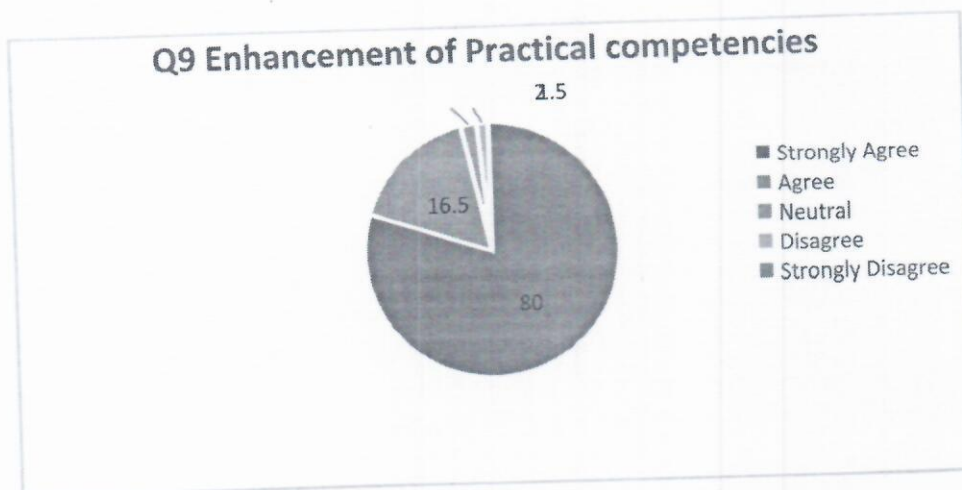


Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
8	Opportunities for overall Development	88	9.5	2.2	0.3	0

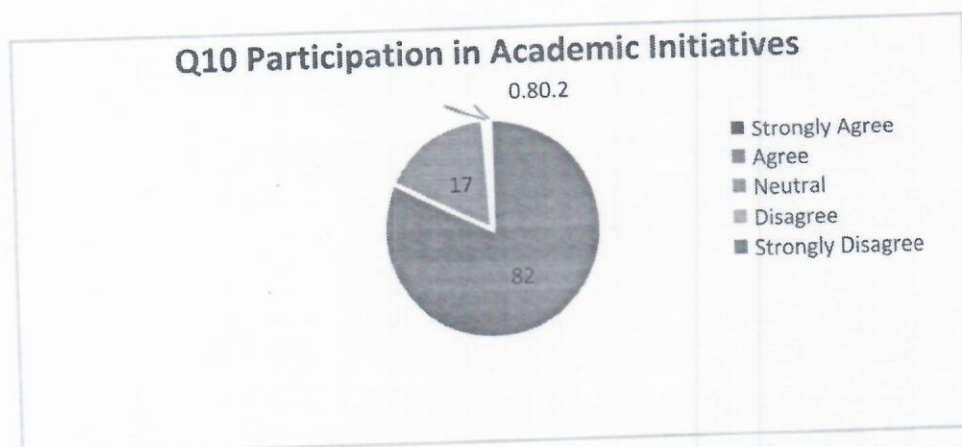
Q8 Opportunities for overall Development



Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
9	Enhancement of Practical competencies	80	16.5	2	1.5	0

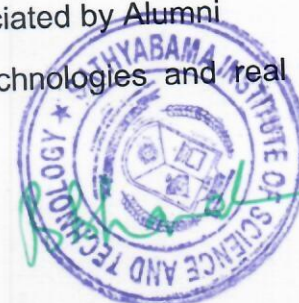


Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
10	Participation in Academic Initiatives	82	17	0.8	0.2	0



3.3 ANALYSIS

- The exposure given towards leadership building and entrepreneurial skill development was highly appreciated by students
- The conversion of design thinking as a practical course was a welcome change
- The inclusion of interdisciplinary projects was appreciated by Alumni
- Alumni insisted on including courses on latest technologies and real time experiences to increase employability of students.



4. Analysis of Employer Feedback

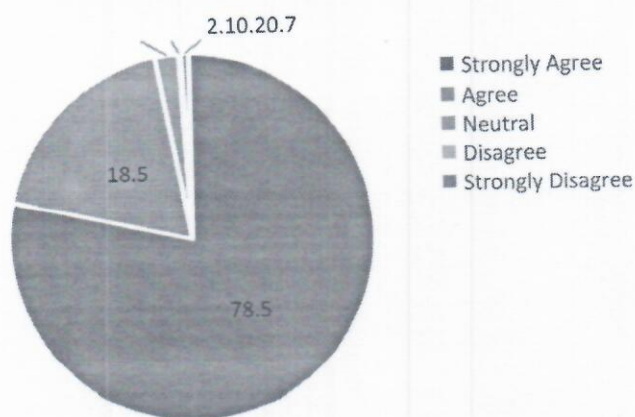
4.1. Questions in the Feedback Template

Q1	Rate your opinion on the relevancy/ sufficiency of the courses meeting the industry requirements?
Q2	Rate the applicability of the tools/activities/case studies presented in the curriculum facilitating more employability skills among graduates.
Q3	How effective is the Curriculum in developing analytical and problem-solving skills
Q4	Does the curriculum include value added courses/ soft skill training/ domain specific electives for enhancing constructive learning.
Q5	Rate the scope of the syllabus in enhancing entrepreneurship skills/ lifelong learning/ human values and ethics.
Q6	Curriculum reflects current trends and practices in the respective disciplines.
Q7	Does the curriculum effectively cover topics on fundamentals and latest technology?
Q8	The academic initiatives of the institution contributes towards achieving the Mission and Vision of the institution
Q9	Rate the proficiency of our graduates to adapt to industry requirements
Q10	The curriculum facilitates an overall holistic development of the student?

4.2 Analysis Report

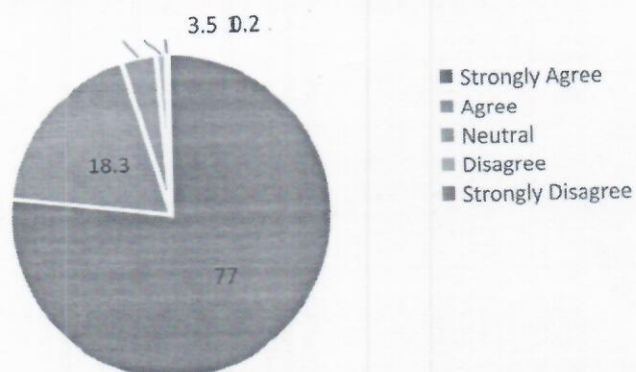
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Curriculum meets Industry Standards	78.5	18.5	2.1	0.2	0.7

Q1 Curriculum meets Industry Standards



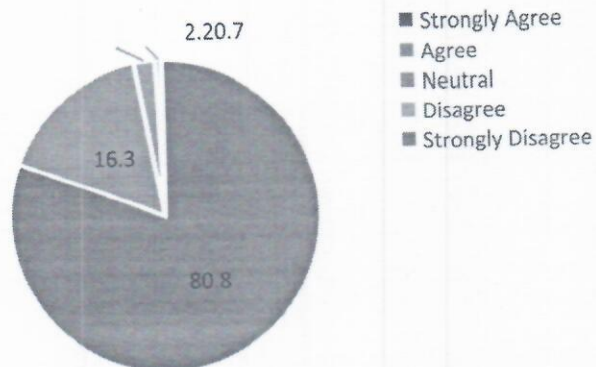
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
2	Facilitation of tools for Employability	77	18.3	3.5	1	0.2

Q2. Facilitation of tools for Employability



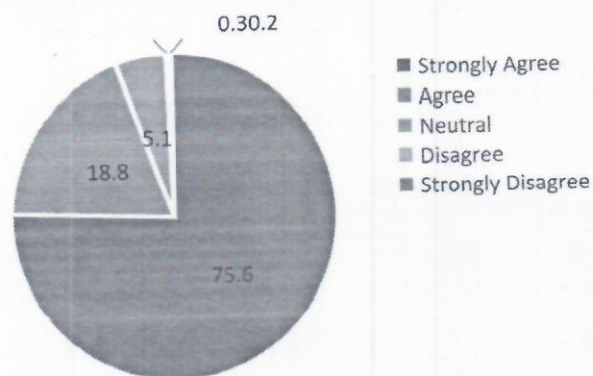
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
3	Scope for development of Problem Solving Skills	80.8	16.3	2.2	0.7	0

Q3 Scope for development of Problem Solving Skills



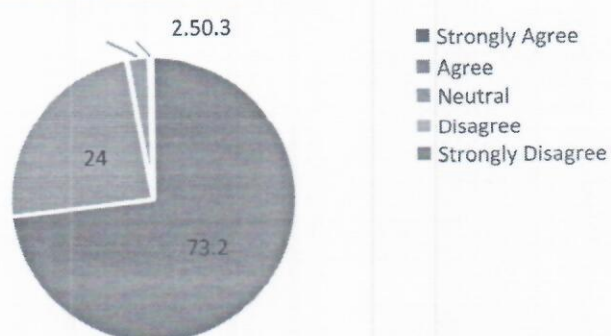
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
4	Scope for Constructive Learning	75.6	18.8	5.1	0.3	0.2

Q4 Scope of Constructive Learning



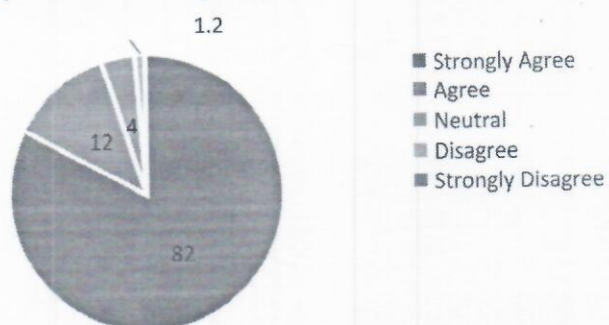
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
5	Coverage scope of Entrepreneurship Skills / Human Values and Ethics	73.2	24	2.5	0.3	0

**Q5 Coverage scope of Entrepreneurship Skills /
Human Values and Ethics**



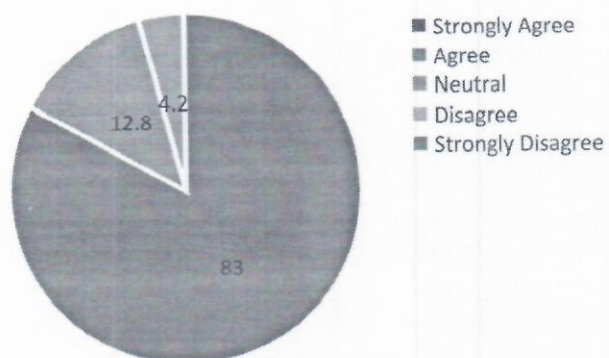
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
6	Domain Expertise	82	12	4	1.2	0

Q6 Domain Expertise



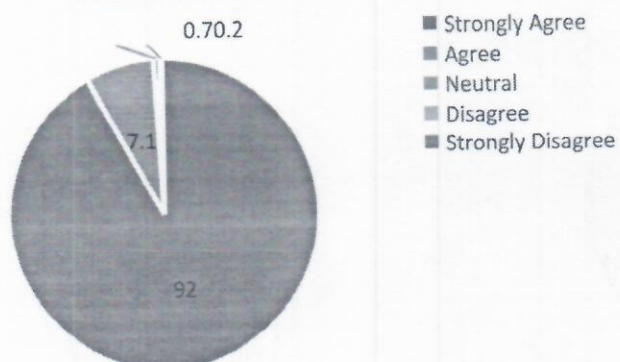
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
7	Coverage of Fundamentals and Technology	83	12.8	4.2	0	0

Q7 Coverage of Fundamentals and Technology



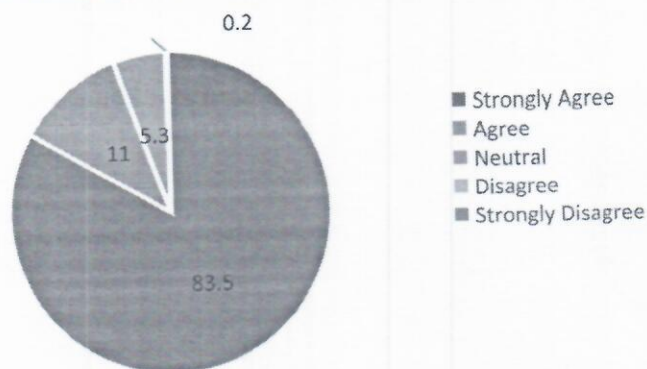
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
8	Contribution to the Vision and Mission of Institution	92	7.1	0.7	0.2	0

Q8 Contribution to the Vision and Mission of Institution



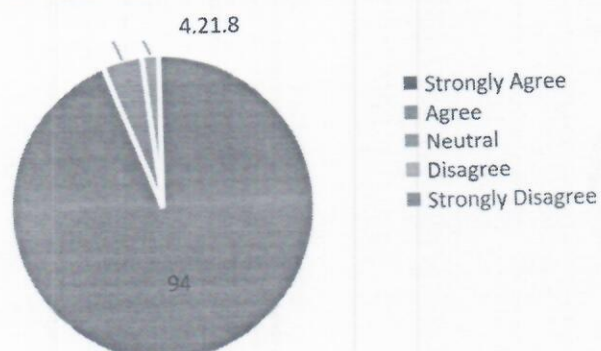
Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
9	Industrial competitive Learning	83.5	11	5.3	0.2	0

Q9 Industrial competitive Learning



Sno	Parameter related to Curricula/Syllabi	Percentage of Feedback on the Parameter				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
10	Opportunities for Holistic Development	94	4.2	1.8	0	0

Q10 Opportunities for Holistic Development



4.3. ANALYSIS

- Experts appreciated the efforts taken by the institution to inculcate product thinking and design thinking abilities
- Courses related to customer experience satisfaction needs to be included.
- Employers suggested the inclusion of Project Based Learning for some courses to increase the employability skills among students.
- Employers suggested that the students get more hands on exposure to the specialised domains

