

ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to VTU, Belagavi. Approved by AICTE & Recognized by Government of Karnataka)
Shobhavana Campus, Mijar - 574225, Moodabidire, Dakshina Kannada, Karnataka, India



ALVA'S

Department of Computer Science & Engineering

Report on

Feedback Analysis Report on Curriculum

[2022-23]

Content

Sl no.	Content	Page no.
1	Student Feedback Form	
	1.1 Student's Feedback form on curriculum	4
	1.2 Feedback Analysis Report	6
2	Faculty Feedback Form	
	2.1 Faculty Feedback form on Curriculum	7
	2.2 Feedback Analysis Report	9
3	Alumni Feedback Form	
	3.1 Alumni Feedback Form on Curriculum	10
	3.2 Feedback Analysis Report	12
4	Employer Feedback Form	
	4.1 Employer Feedback form on Curriculum	13
	4.2 Feedback Analysis Report	15
5	Action Taken Report	

Quality vs. quantity has long been a debate topic. Students, as crucial stakeholders, are concerned about the predicted consequences. As the technical education scenario shifts from an output-based to an outcome-based one, quality in such procedures must be addressed. We must guarantee that the result parameters are mapped in relation to the objectives and that the programmes are aligned with national policies in light of the global trend. Stakeholder satisfaction, including students, professors, alumni, and employers, has always been a struggle. Because quality is a metric for success, there is always room for improvement in every system.

Alva's Institute of Engineering and Technology, Mijar, being unique from its very inception and foundation, has emerged as a benchmark of excellence and innovation for the world of education. With quality sustenance as its focus, the IQAC of the college has developed the feedback mechanism commencing with obtaining feedback from the various stakeholders through a structured rating based feedback form. The college draws feedback from students, teachers, alumnae and employers from respective department for continuous improvement in curriculum development and enrichment.

Feedback is gathered from all stakeholders in our Institute through an offline approach. Following the collection of data from stakeholders, the response sheet is prepared and analysed using present parameters. Departments take necessary action based on the report. The department sends a copy of the report, together with the action performed, to the Internal Quality Assurance Cell (IQAC) for any additional action that is necessary.

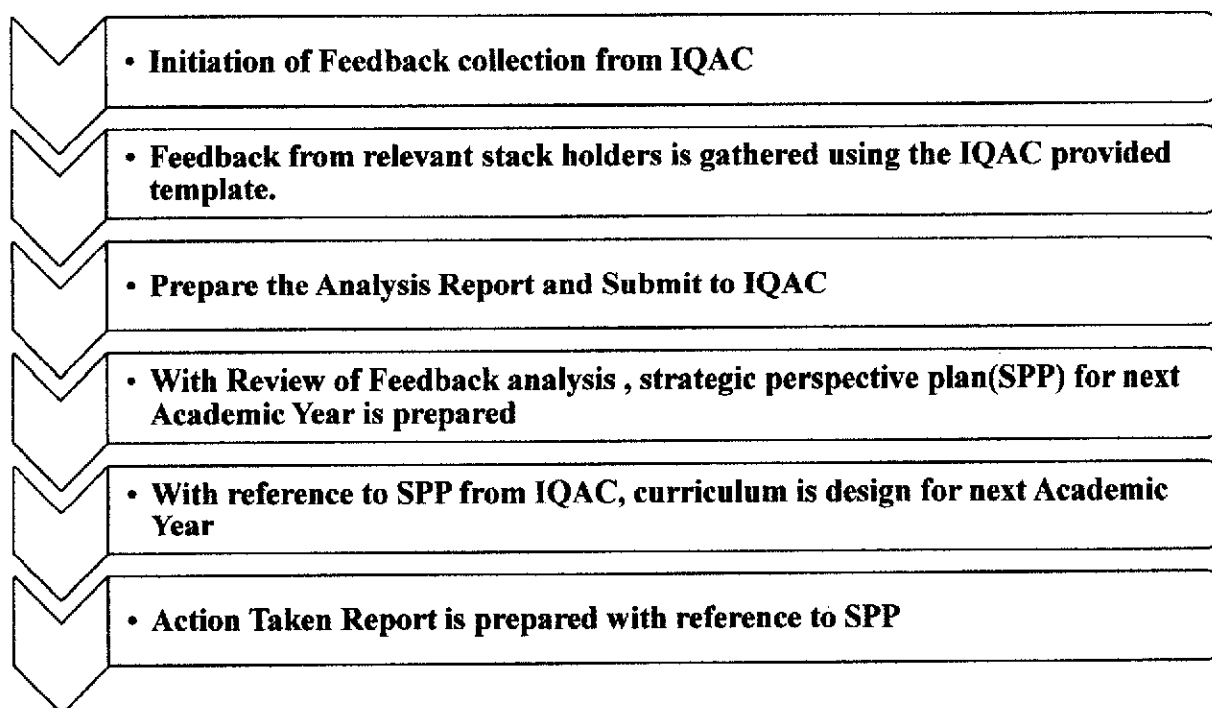


Figure 1: Feedback Analysis Process

The primary goal of this feedback is to guarantee that every student has access to competent and high-quality instruction, which leads to vigorous academic, social, and personal development. The IQAC analyses the activities as well as other quality efforts on a regular basis. We must consistently adopt such Quality Initiatives into our processes and adhere to them in letter and spirit in order to satisfy stakeholders.

1.0 Student Feedback Form

The IQAC creates a feedback form, which is distributed to all departments for response collection w.r.t curriculum. Following is the sample feedback form of students.

1.1 Student's Feedback form on curriculum

STUDENTS FEEDBACK FORM						
Name of the Student	USN	Branch	Academic Year			
Inorder to improve the effectiveness of the designed syllabus and to meet the needs of the contemporary advancements in the field of engineering, you are requested to share your valuable						
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Contents in syllabus are relevant to the					
2.	Syllabus is updated based on the need and is career oriented.					
3.	Aims and objectives of the syllabus are well defined and clear.					
4.	Course content is followed by corresponding reference materials.					
5.	Sufficient number of prescribed books is available in the Library.					
6.	The syllabus has good balance between theory and application.					
7.	The course increased knowledge and perspective in the subject area.					
8.	The curriculum ensures student participation in learning process.					
9.	The curriculum creates social awareness among the students.					
10.	The curriculum is sufficient to cover the program /course outcomes.					
11.	Comments/Suggestion:					

Figure 1.1: Student Feedback Form


ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

 Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK
 Ph.09845050268, 08268-262724, Email: principal@alvaet@gmail.com
 Web-site: www.alvaet.org.in

STUDENTS FEEDBACK FORM						
Name of the Student	USN	Branch	Academic Year			
R. Prasad, Gayanar	4012008041	Computer Science	2022-23			
In order to improve the effectiveness of the designed syllabus and to meet the needs of the contemporary advancements in the field of engineering, you are requested to share your valuable feedback and responses						
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Contents in syllabus are relevant to the course.		✓			
2.	Syllabus is updated based on the need and is career oriented.	✓				
3.	Aims and objectives of the syllabus are well defined and clear		✓			
4.	Course content is followed by corresponding reference materials		✓			
5.	Sufficient number of prescribed books is available in the Library.		✓			
6.	The syllabus has good balance between theory and application.	✓				
7.	The course increased knowledge and perspective in the subject area.			✓		
8.	The curriculum ensures student participation in learning process.	✓				
9.	The curriculum creates social awareness among the students.			✓		
10.	The curriculum is sufficient to cover the program/course outcomes		✓			
11.	Comments/Suggestion					
	The curriculum must make sure that the student has gained enough knowledge of subject matter.					

Figure 1.2 : Shows the sample copy of student feedback response

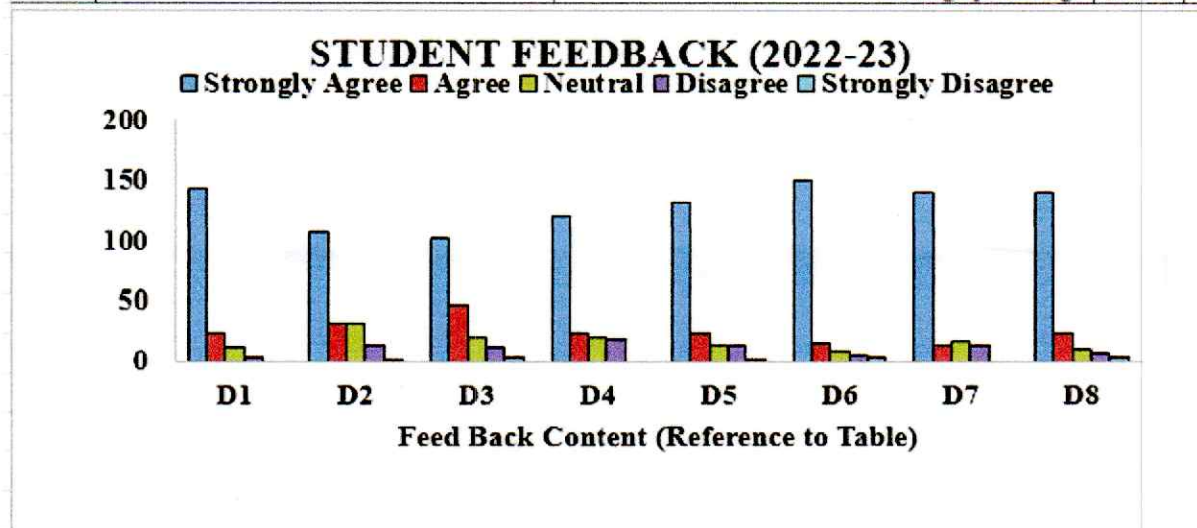
1.2 Feedback Analysis report

An attempt was made to solicit opinions from all college students during AY 2022-23. A feedback form had been produced for this purpose, and comments from the students had been solicited. A total of 180 responses have been gathered from students on the Syllabus. Various industry oriented certification course and industry visit have implemented in department to satisfy the needs of students. Letter has been communicated to university requesting them to include Human values in the curriculum. Various sorts of graphs have been utilised to effectively portray the facts.

93.8% percent of students judged the curriculum to be very helpful in improving teamwork, developing analytical abilities, and encouraging constructive learning, while 6.2% of students anticipate curriculum improvement and speedy resolution.

Feedback Analysis Report on Curriculum (2022-23)

STUDENT FEEDBACK 2022-23								positive	Negative
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total Response	A+B+C/ total	D+E/ total
		A	B	C	D	E			
D1	Contents in syllabus are relevant to the course.	143	23	11	3	0	180	98.3%	1.7%
D2	Syllabus is updated based on the need and is career oriented.	107	30	30	12	1	180	92.8%	7.2%
D3	Aims and objectives of the syllabus are well defined and clear	101	46	20	11	2	180	92.8%	7.2%
D4	Course content is followed by corresponding reference materials.	120	22	20	18	0	180	90.0%	10.0%
D5	Sufficient number of prescribed books is available in the Library.	132	22	12	13	1	180	92.2%	7.8%
D6	The syllabus has good balance between theory and application.	150	15	7	5	3	180	95.6%	4.4%
D7	The course increased knowledge and prespective in the subject area.	140	12	16	12	0	180	93.3%	6.7%
D8	The curriculum ensures student participation in learning process.	140	22	10	6	2	180	95.6%	4.4%
D9	The curriculum creates social awareness among the students.	150	17	5	5	3	180	95.6%	4.4%
D10	The curriculum is sufficient to cover the program /course outcomes.	157	12	7	4	0	180	97.8%	2.2%
Average percentage								93.8%	6.2%



Comments :

- Industry visit can be conducted.
- Group assignments and mini projects need to be introduced.
- Skill development activities need to be conducted.
- Certification course on industry oriented tools need to be implemented.

2. Faculty Feedback form

The IQAC creates a faculty feedback form, which is distributed to all departments faculty members for response collection. Following is the faculty feedback form.

2.1 Faculty Feedback form on curriculum

FACULTY FEEDBACK FORM						
Name of the Faculty	Branch	Designation	Academic Year			
In order to improve the effectiveness of the designed syllabus and to meet the needs of the contemporary advancements in the field of engineering, you are requested to share your valuable feedback and responses						
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Syllabus is relevant to the course and is career					
2.	Syllabus is updated regularly as per the industry needs.					
3.	Course objectives and outcomes are clearly defined.					
4.	Course content is followed by sufficient reference materials.					
5.	The course has a good balance between theory and applications.					
6.	Teacher has the freedom to adopt new techniques/strategies in teaching.					
7.	The curriculum ensures student participation in learning process.					
8.	The curriculum creates social awareness among the students.					
9.	The curriculum is sufficient to cover the program /course outcomes.					
10.	Comments/Suggestion:					

Figure 2.1 : Shows the Faculty Feedback Form

Following figure 2.2 shows the sample copy of faculty feedback collected on curriculum.


ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK
Ph: 09845050268, 08258-262724. Email: principal@alvaet.org
Web-site: www.alvaet.org.in

FACULTY FEEDBACK FORM						
Name of the Faculty	Branch	Designation	Academic Year			
M. Rajuvel	CSE	Professor & Head	2022-23			
In order to improve the effectiveness of the designed syllabus and to meet the needs of the contemporary advancements in the field of engineering, you are requested to share your valuable feedback and responses						
S. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Syllabus is relevant to the course and is career oriented.	<input checked="" type="checkbox"/>				
2.	Syllabus is updated regularly as per the industry needs.	<input checked="" type="checkbox"/>				
3.	Course objectives and outcomes are clearly defined.	<input checked="" type="checkbox"/>				
4.	Course content is followed by sufficient reference materials.	<input checked="" type="checkbox"/>				
5.	The course has a good balance between theory and applications.	<input checked="" type="checkbox"/>				
6.	Teacher has the freedom to adopt new techniques/strategies in teaching.	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
7.	The curriculum ensures student participation in learning process.		<input checked="" type="checkbox"/>			
8.	The curriculum creates social awareness among the students.		<input checked="" type="checkbox"/>			
9.	The curriculum is sufficient to cover the program/course outcomes.	<input checked="" type="checkbox"/>				
10.	Comments/Suggestion: Practical aspect need to be incorporated. However we have noticed it in assignments.					

Figure 2.2: Shows the sample copy of Feedback response

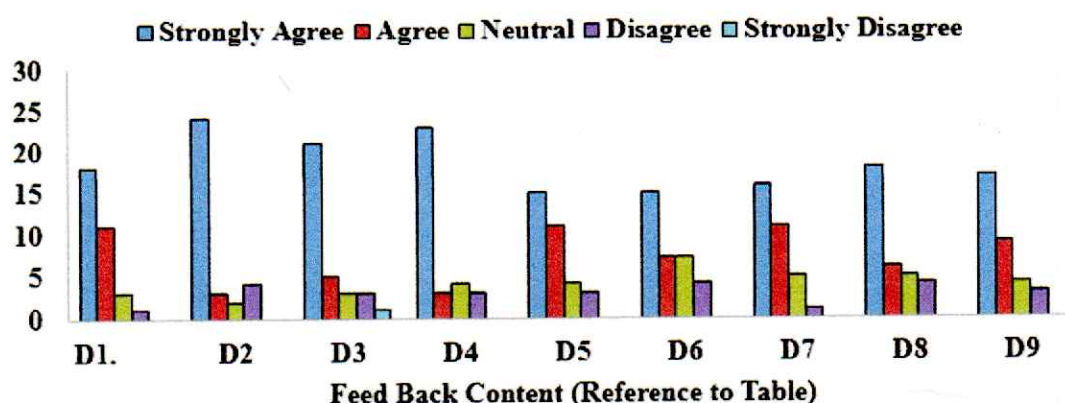
2.1 Feedback Analysis Report

An effort was made to receive feedback from all department faculties of the college during 2022-23. For this purpose, feedback form had been prepared and taken feedback. As many as 33 responses have been collected from the faculties on curriculum. Making students to participate in learning process various quizzes and seminars have been implemented. For the effective presentation of the data, various types of graphs have been used.

91% faculties found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 9 % faculties are expecting improvement in curriculum and resolving it timely

FACULTY FEEDBACK 2022-23									
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total	A+B+C/ total	C+D/ TOTAL
		A	B	C	D	E			
D1.	Syllabus is relevant to the course and is career oriented.	18	11	3	1	0	33	97%	3%
D2	Syllabus is updated regularly as per the industry needs.	24	3	2	4	0	33	88%	12%
D3	Course objectives and outcomes are clearly defined.	21	5	3	3	1	33	88%	12%
D4	Course content is followed by sufficient reference materials.	23	3	4	3	0	33	91%	9%
D5	The course has a good balance between theory and applications.	15	11	4	3	0	33	91%	9%
D6	Teacher has the freedom to adopt new techniques/strategies in teaching.	15	7	7	4	0	33	88%	12%
D7	The curriculum ensures student participation in learning process.	16	11	5	1	0	33	97%	3%
D8	The curriculum creates social awareness among the students.	18	6	5	4	0	33	88%	12%
D9	The curriculum is sufficient to cover the program/course outcomes	17	9	4	3	0	33	91%	9%
							Average	91%	9%

FACULTY FEEDBACK (2022-23)



Comments

- Industry visit can be conducted.
- Group assignments and mini projects need to be introduced.
- Skill development activities need to be conducted.
- Certification course on industry oriented tools need to be implemented.

3. Alumna Feedback

The IQAC creates a feedback form, which is distributed to all departments for response collection.

3.1 Alumni Feedback form on curriculum

In order to improve the effectiveness of the designed syllabus and to meet the needs of the contemporary advancements in the field of engineering, the curriculum feedback from our beloved

alumnus were collected and analysed.

ALUMINI FEEDBACK FORM						
Name of the Respondent		Branch	Batch		Scheme	
Sl. No	Questions	Response				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Content of the curriculum is need based.					
2.	Core courses in the curriculum are adequate.					
3.	Elective courses in the curriculum are sufficient.					
4.	Ample practical content in the curriculum.					
5.	Useful curriculum for Entrepreneurial development.					
6.	Effective curriculum for developing skilled human resources.					
7.	Valuable curriculum for innovative thinking and Employability.					
8.	Curriculum helps in finding the solutions for engineering and societal problems.					
9.	Curriculum helps in engaging independent and lifelong learning in the context of evolving technology.					
10.	Suggestion/comments:					

Figure 3.1 : Shows the Feedback form



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK
Ph:09845050268, 08258-262724. Email:principal@alvaet@gmail.com
Web-site: www.alvaet.org.in

ALUMINI FEEDBACK FORM						
Name of the Respondent		Branch	Batch		Scheme	
Chiranya Sagar Kamath		CSE	2019-23		18	
Sl. No	Questions	Response				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Content of the curriculum is need based	✓				
2	Core courses in the curriculum are adequate	✓				
3	Elective courses in the curriculum are sufficient	✓				
4	Ample practical content in the curriculum	✓				
5	Useful curriculum for Entrepreneurial development	✓				
6	Effective curriculum for developing skilled human resources.	✓				
7	Valuable curriculum for innovative thinking and Employability	✓				
8	Curriculum helps in finding the solutions for engineering and societal problems	✓				
9	Curriculum helps in engaging independent and lifelong learning in the context of evolving technology	✓				
10.	Suggestion/comments: Hands on session related to latest technology can be implemented					

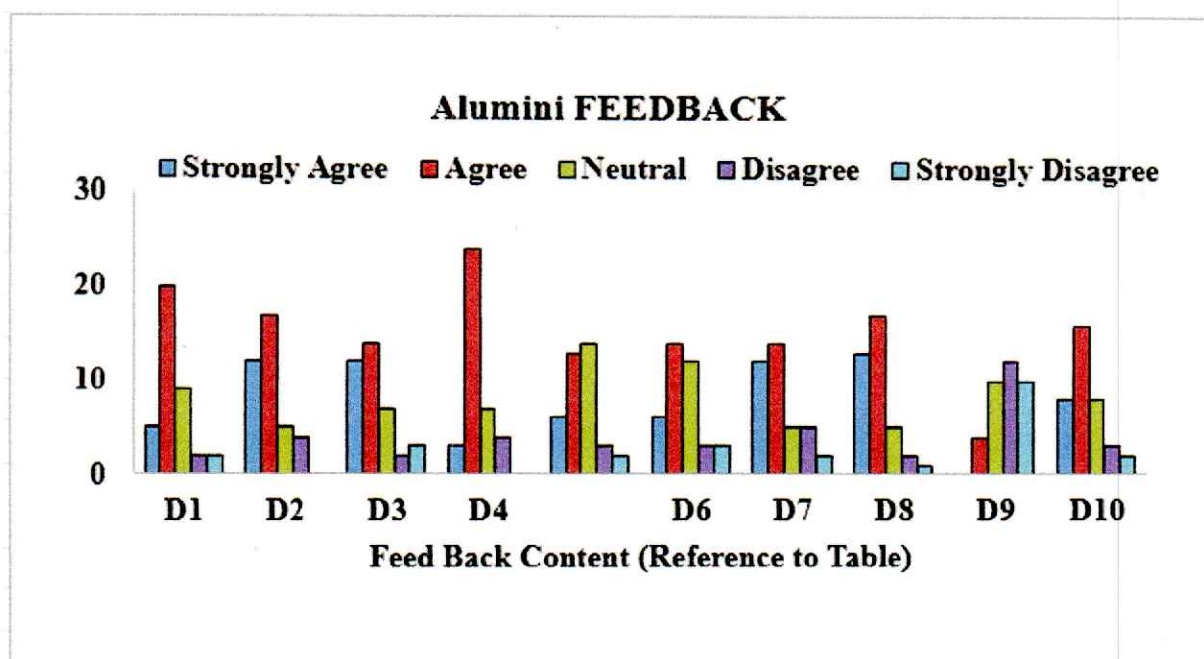
Figure 3.2: Shows the sample copy of Feedback response

3.2 Feedback Analysis report

Feedback from alumnus was collected from those who visited the college during AY 2022-23. For this purpose, feedback form was prepared and taken feedback. Around 38 Alumni's visited college and responses have been collected from the Alumni on syllabus. In order to arrive to

comprehensive results, various activities like industry visit , certification course and social awareness programmes have been done in the department. For the effective presentation of the data, various types of graphs have been used. 87% students found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 18% students are expecting improvement in curriculum and resolving it timely

Alumna FEEDBACK									
Total : 36 Alumna are provided the feedback on criculum									
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	total	A+B+C/ total	D+E/ total
		A	B	C	D	E			
D1	Suitability of present curriculum towards program	5	20	9	2	2	38	94%	11%
D2	Relevance of courses taught in terms of futuristic technologies.	12	17	5	4	0	38	94%	11%
D3	Technical and soft skills acquired for multidisciplinary real life situations	12	14	7	2	3	38	92%	14%
D4	The syllabus as good connections between theory and practical	3	24	7	4	0	38	94%	11%
	Courses focus on increasing the Knowledge in subject area	6	13	14	3	2	38	92%	14%
D6	The curriculum ensures that students participate in the educational process	6	14	12	3	3	38	89%	17%
D7	Outcome based Education & lifelong learning	12	14	5	5	2	38	86%	19%
D8	Aptness of examination pattern and evaluation scheme	13	17	5	2	1	38	97%	8%
D9	Competence in critical thinking, problem Solving and creativity acquired through curriculum	0	4	10	12	10	36	39%	61%
D10	Effective curriculum for developing skilled human resources	8	16	8	3	2	37	89%	14%
Average								87%	18%



Comments


- Certification course to be conducted to the students
- Workshops and hands-on session to be conducted to the students.
- The curriculum needs to include industry oriented new tools and technology
- Skill Development activities and placement oriented training to be given to students.
- More Electives options should be provided in syllabus.
- Awareness of Human values among the students' needs to implemented and brought in syllabus.

4. Employer Feedback

The IQAC creates a feedback form, which is distributed to various Employer who visit our institution for placement purpose and response is collected from them on curriculum. Following is the sample form of it.

4.1 Employer Feedback form on curriculum

The following figure shows feedback template used for collecting feedback on curriculum from Employer.



ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY
 Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK
 Ph: 09845050268, 08258-262724. Email: principalaiet08@gmail.com
 Web-site: www.aiet.org.in

EMPLOYER FEEDBACK FORM						
Name of the Respondent	Organization	Designation	Contact Details			
Respected Employer, The purpose of this is to,						
1. Obtain your input on the quality of education our graduates received, 2. Assess the quality of the academic program.						
Sl. No	Questions	Response				
		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Curriculum updated as per the needs of the industry.					
2.	Effective ordering of the courses in the curriculum.					
3.	Core and elective course contents in the curriculum are sufficiently addressing the industrial requirements.					
4.	Practical content in the curriculum is adequate.					
5.	Curriculum is designed effectively for Entrepreneurial development.					
6.	Designed curriculum is useful for developing skilled human resources.					
7.	Valuable curriculum for innovative thinking and employability					
8.	Knowledge on recent tools and their usage are sufficiently addressed.					
9.	Applicability of the engineering knowledge to solve the problems is sufficient.					
10.	Suggestion/comments:					

Figure 4.1: Feedback Template

Following figure shows the sample feedback response collected from employer w.r.t curriculum to enhance the quality of syllabus for students and teachers.

**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**

Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK
 Ph: 09845050268, 08258-262724. Email: principalaiet08@gmail.com
 Web-site: www.aiet.org.in

EMPLOYER FEEDBACK FORM					
Name of the Respondent	Organization	Designation	Contact Details		
Abhinav Parajon	Amazon	SDE-1	8953712310		
Respected Employer, The purpose of this is to,					
1. Obtain your input on the quality of education our graduates received.					
2. Assess the quality of the academic program.					
Sr. No	Questions	Response			
		Strongly Agree	Agree	Neutral	Disagree
					Strongly Disagree
1	Curriculum updated as per the needs of the industry		<input checked="" type="checkbox"/>		
2	Effective ordering of the courses in the curriculum.		<input checked="" type="checkbox"/>		
3	Core and elective course contents in the curriculum are sufficiently addressing the industrial requirements.			<input checked="" type="checkbox"/>	
4	Practical content in the curriculum is adequate.			<input checked="" type="checkbox"/>	
5	Curriculum is designed effectively for Entrepreneurial development.		<input checked="" type="checkbox"/>		
6	Designed curriculum is useful for developing skilled human resources.		<input checked="" type="checkbox"/>		
7	Designed curriculum is good balance between theory and practical		<input checked="" type="checkbox"/>		
8	Knowledge on recent tools and technology are sufficiently addressed.		<input checked="" type="checkbox"/>		
9	Applicability of the engineering knowledge to solve the problems is sufficient.		<input checked="" type="checkbox"/>		
10	Suggestion/comments: In depth knowledge on coding is required.				

Abhinav

Figure 4.2: Sample copy of Feedback copy

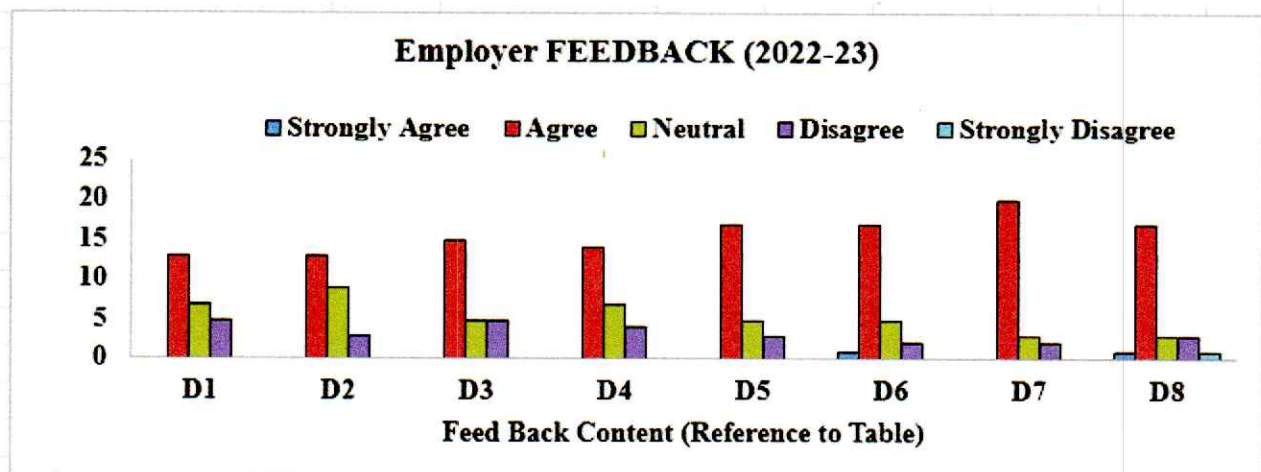
4.2 Feedback Analysis Report

An effort was made to receive feedback from employers, those who visit of the college for placement, workshop technical talks etc during AY 2022-23. For this purpose, feedback form had been prepared and taken feedback. Around 25 employer visited college and responses have been collected from them on curriculum. In order to arrive to comprehensive results, the comments of employer have been analysed and various activities have been implemented in department. Letter has been written to University for including subjects like Python and Java in 2nd year syllabus. Also Human values activities have been done in department. For the effective presentation of the data, various types of graphs have been used

86 % Employers are Satisfied with the process of Curriculum design and development. Employers opined that AIET's Curriculum is effective in developing ICT & communication skills and Curriculum has relevance to real life situations; reflects current trends and practices in the respective disciplines. 14% employers denied and suggested to improve the curriculum as per the industrial standards.


Feedback Analysis Report on Curriculum (2022-23)

Employer FEEDBACK									
Employer count: 25									
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total Response	A+B+C/total	D+E/total
		A	B	C	D	E			
D1	Aptness of university curriculum for the present jobs	0	13	7	5	0	25	80%	20%
D2	Relevance of courses taught in terms of futuristic technologies.	0	13	9	3	0	25	88%	12%
D3	Technical and soft skills acquired for multidisciplinary real life situations	0	15	5	5	0	25	80%	20%
D4	Aptness of training projects undertaken	0	14	7	4	0	25	84%	16%
D5	Competence in critical thinking, problem solving and creativity acquisition	0	17	5	3	0	25	88%	12%
D6	Slip of industry component interaction in curriculum	1	17	5	2	0	25	92%	8%
D7	The curriculum ensures professional ethics and attitude	0	20	3	2	0	25	92%	8%
D8	The curriculum promotes leadership qualities	1	17	3	3	1	25	84%	16%
Average								86%	14%



Comments:

- In depth knowledge of coding is needed
- Curriculum has be relevance to the industrial needs
- Certification course should be conducted to the students.
- Curriculum should ensuring professional ethics and positive attitude among the students
- The inclination of the curriculum to adopt new methods and technology
- Provide the knowledge and skills demanded by the contemporary labour market


 HoD
 H. O. D.
 Dept. Of Computer Science & Engineering
 Alva's Institute of Engg. & Technology
 Mijar, MOODBIDRI - 574 225


 Principal
 PRINCIPAL
 Alva's Institute of Engg. & Technology,
 Mijar. MOODBIDRI - 574 225, D.K

Action Taken Report**Date : 21/09/2022**

The Department of computer Science & Engineering values the comments made during faculty members, students, Alumni and employers to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures have been taken in this regard to enhance the knowledge of students.

Action taken is listed in the table below as shown.

Key Feedback Response	Action taken
Certification courses on latest technology related to app development , python programming etc	Certification courses on <ul style="list-style-type: none"> • Apple iOS app Development • Infosys Springboard
Group assignments to be implemented in 2 nd year	Group assignments for all the students
Curriculum should meet industry requirements	Workshop on <ul style="list-style-type: none"> • Cyber Security • Reading MongoDB Time series data using Python
Placement oriented soft skill activities	Skill Development Activities conducted for all the students
Industry expert talks can be organized	Technical Talk on <ul style="list-style-type: none"> • Artificial Intelligence & Machine Learning • Basics of API with POSTMAN • Placement Opportunities and Preparations
Industry visit can be conducted	Visit to MRF Plant Nitte and Rani Abbakka Museum, Bantwal as a part of Social Connect and Responsibility


 HOD,
 Dept. Of Computer Science & Engineering
 Aiva's Institute of Engg. & Technology
 Mijar, MOODBIDRI - 574 225