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 Information Science & Engineering

Report on

Feedback Analysis Report on Curriculum

[2022-23]

Content

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.

Alvas 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 preset 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.
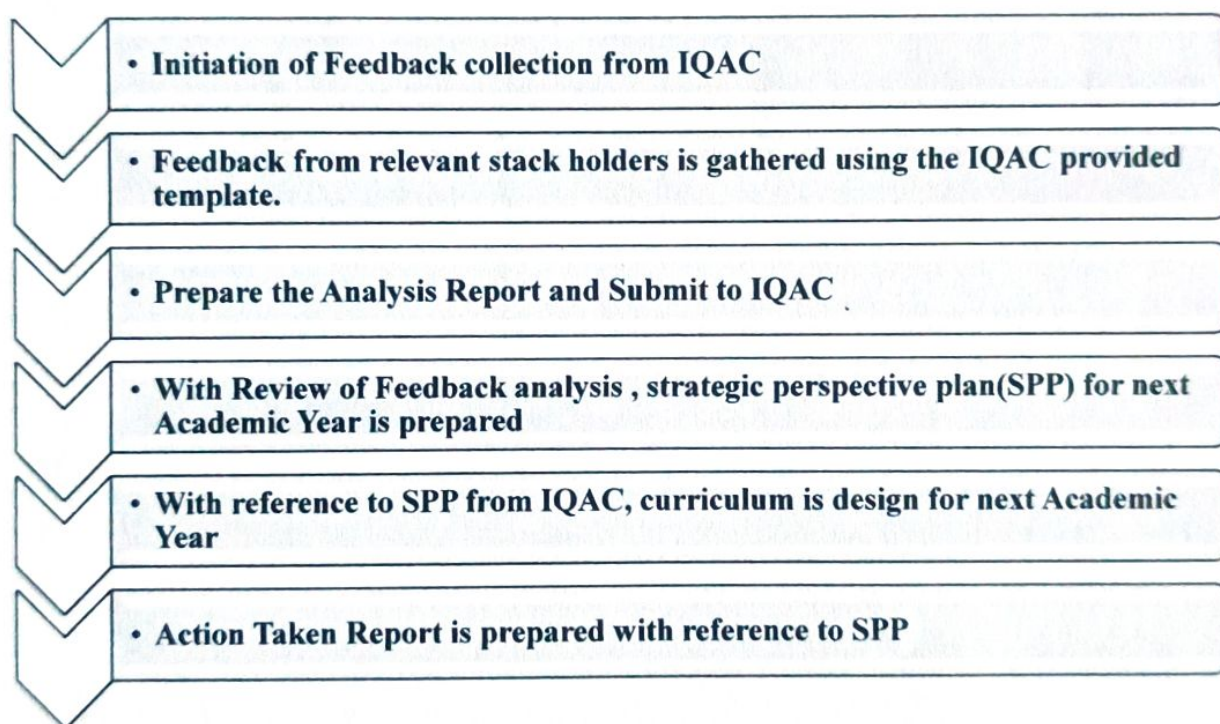
- **Initiation of Feedback collection from IQAC**

- **Feedback from relevant stack holders is gathered using the IQAC provided template.**

- **Prepare the Analysis Report and Submit to IQAC**

- **With Review of Feedback analysis , strategic perspective plan(SPP) for next Academic Year is prepared**

- **With reference to SPP from IQAC, curriculum is design for next Academic Year**

- **Action Taken Report is prepared with reference to SPP**

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 template

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STUDENTS FEEDBACK FORM

Name of the Student	USN	Branch	Academic Year
Meghana K	4AL20IS25	ISE	2022-23

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 feedback and responses

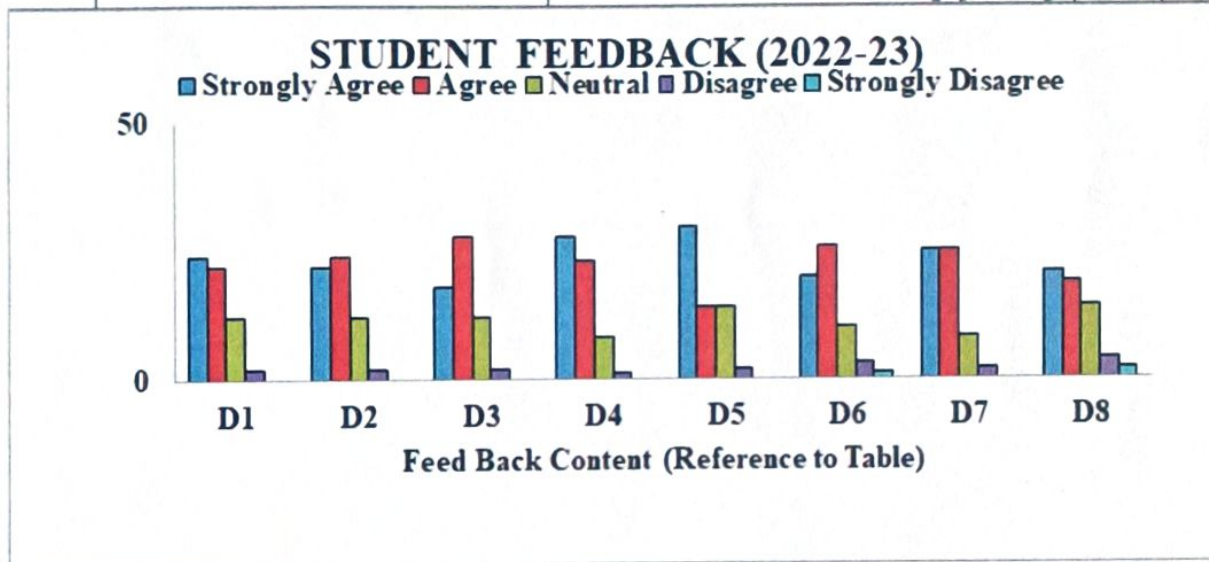| Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Contents in syllabus are relevant to the course		✓			
2	Syllabus is updated based on the need and is career oriented.		✓			
3	Aims and objectives of the syllabus are well defined and clear		✓			
4	Course content is followed 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 prespective 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: Programming languages can be introduced in 2nd year & books w.r.t latest technology can be placed in Library. Human values to be taught to students					

Figure 1.2 : 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 60 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.

95.6% percent of students judged the curriculum to be very helpful in improving teamwork, developing analytical abilities, and encouraging constructive learning, while 4.4% of students anticipate curriculum improvement and speedy resolution..

Sl. No	Feedback Question	STRONGLY FEEDBACK 2022-23					Total Response	positive A+B+C/ total	Negative D+E/ total
		Strongly Agree A	Agree B	Neutral C	Disagree D	Strongly Disagree E			
D1	Contents in syllabus are relevant to the course.	24	22	12	2	0	60	96.7%	3.3%
D2	Syllabus is updated based on the need and is career oriented.	22	24	12	2	0	60	96.7%	3.3%
D3	Aims and objectives of the syllabus are well defined and clear	18	28	12	2	0	60	96.7%	3.3%
D4	Course content is followed by corresponding reference materials.	28	23	8	1	0	60	98.3%	1.7%
D5	Sufficient number of prescribed books is available in the Library.	30	14	14	2	0	60	96.7%	3.3%
D6	The syllabus has good balance between theory and application.	20	26	10	3	1	60	93.3%	6.7%
D7	The course increased knowledge and prespective in the subject area.	25	25	8	2	0	60	96.7%	3.3%
D8	The curriculum ensures student participation in learning process.	21	19	14	4	2	60	90.0%	10.0%
D9	The curriculum creates social awareness among the students.	15	27	17	1	0	60	98.3%	1.7%
D10	The curriculum is sufficient to cover the program course outcomes.	22	24	12	1	1	60	96.7%	3.3%
							Average percentage	95.6%	4.4%

STUDENT FEEDBACK (2022-23)
Strongly Agree · Agree · Neutral · Disagree · Strongly Disagree

Feed Back Content (Reference to Table)

Comments :

- Industry oriented Programming Languages need to be included in 2nd year syllabus itself.
- Human values subjects may be introduced in curriculum.
- Certification course on industry oriented tools need to be implemented.
- Industrial visit and social awareness programme needs to be done in department.

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 : Faculty Feedback Form template

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

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FACULTY FEEDBACK FORM								
Name of the Faculty	Branch		Designation			Academic Year		
Mr Jayanthkumar A R	ISE		Associate Professor			2022-23		

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 feedback and responses

Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1	Syllabus is relevant to the course and is career oriented.	✓				
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: Social Awareness and Human Value teaching subjects may be introduced in syllabus, More application oriented concepts need to be introduced					

Figure 2.2: Sample copy of faculty 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 08 responses have been collected from the faculties on curriculum. In order to arrive to comprehensive results, various social awareness programmes through NSS , Kesard Onji Dina have been done in the department. Letter has been communicated to university requesting them to include Human values in the 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.

89% faculties found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 11 % faculties are expecting improvement in curriculum and resolving it timely

FACULTY FEEDBACK 2022-23

| Sl. No	Feedback Question	Strongly Agree A	Agree B	Neutral C	Disagree D	Strongly Disagree E	Total	A+B+C/ total	C+D/ TOTAL
D1.	Syllabus is relevant to the course and is career oriented	3	3	1	1	0	8	88%	13%
D2	Syllabus is updated regularly as per the industry needs	3	3	2	0	0	8	100%	0%
D3	Course objectives and outcomes are clearly defined	2	3	2	1	0	8	88%	13%
D4	Course content is followed by sufficient reference materials	2	3	1	2	0	8	75%	25%
D5	The course has a good balance between theory and applications	3	3	2	0	0	8	100%	0%
D6	Teacher has the freedom to adopt new techniques/strategies in teaching	4	3	1	0	0	8	100%	0%
D7	The curriculum ensures student participation in learning process	3	2	2	1	0	8	88%	13%
D8	The curriculum creates social awareness among the students	2	2	2	2	0	8	75%	25%
D9	The curriculum is sufficient to cover the program /course outcomes	3	2	2	1	0	8	88%	13%
							Average	**89%**	**11%**
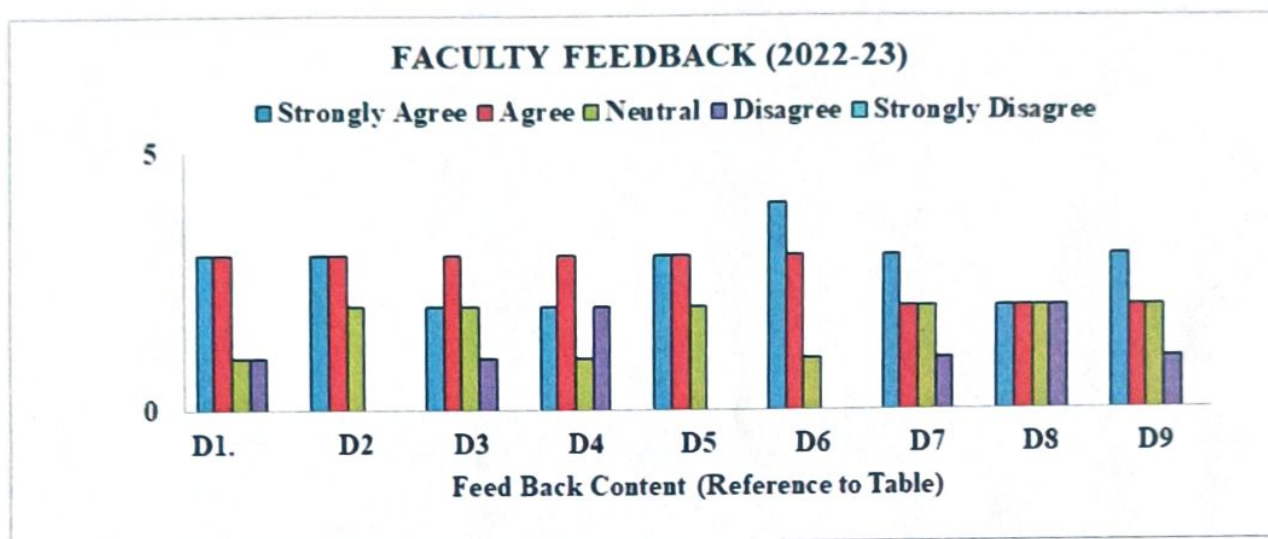
Figure 2.2 : Sample copy of Feedback response

Comments :

- Curriculum to be updated with industrial requirements.
- Human values awareness to be brought to students through various activities and in curriculum.
- Include Micro projects at the 2nd year syllabus itself to make students to understand research knowledge.

3. Alumni Feedback

The IQAC creates a feedback form of alumni which is distributed to all departments alumni's for response collection on curriculum. Following figure 3.1 shows template of alumni feedback form.

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 : Sample Aumni Feedback form template

Figure 3.2: Sample copy of alumni 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 36 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. 85 % students found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 15 % students are expecting improvement in curriculum and resolving it timely

Alumna FEEDBACK (2022-23)

Sl. No	Feedback Question	Strongly Agree A	Agree B	Neutral C	Disagree D	Strongly Disagree E	total	A+B+C/ total	D+E/ total
D1	Content of the curriculum is need based.	3	20	9	2	2	36	89%	11%
D2	Core courses in the curriculum are adequate.	12	17	5	2	0	36	94%	6%
D3	Elective courses in the curriculum are sufficient.	12	14	7	2	1	36	92%	8%
D4	Ample practical content in the curriculum.	2	24	6	4	0	36	89%	11%
D5	Useful curriculum for Entrepreneurial development.	6	13	12	3	2	36	86%	14%
D6	Effective curriculum for developing skilled human resources.	16	12	5	2	1	36	92%	8%
D7	Valuable curriculum for innovative thinking and Employability.	13	17	4	1	1	36	94%	6%
D8	Curriculum helps in finding the solutions for engineering and societal problems.	11	14	8	2	1	36	92%	8%
D9	Competence in critical thinking, problem Solving and creativity acquired through curriculum	0	2	12	12	10	36	39%	61%
D10	Curriculum helps in engaging independent and lifelong learning in the context of evolving technology.	8	16	7	3	2	36	86%	14%
						Average		85%	15%

Total : 36 Alumna are provided the feedback on cricullum

Alumini FEEDBACK 2022-23
Feed Back Content (Reference to Table)
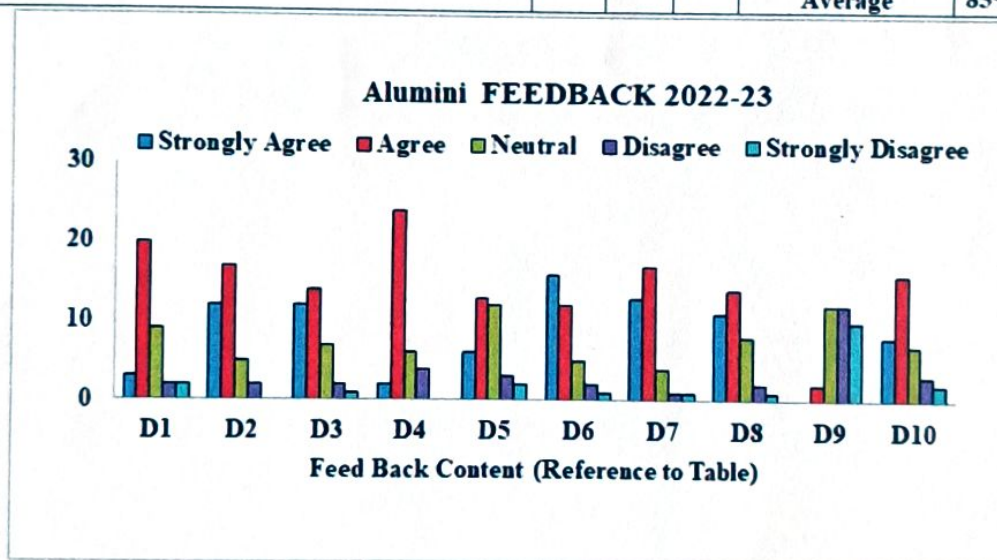
Comments

- The curriculum needs to include industry oriented new tools and technology
- More Career Awareness Program 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.

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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. Asses 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.

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Web-site: www.aiet.org.in

EMPLOYER FEEDBACK FORM

Name of the Respondent	Organization	Designation	Contact Details
Anju	NOVO NORDISK	H.R	6366397153

Respected Employer, The purpose of this is to,
1. Obtain your input on the quality of education our graduates received,
2. Asses 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: Python JAVA may be introduced in 2nd year in curriculum. Innovative thinking & Human value subject may be considered in syllabus					

Anju

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 12 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

84 % 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. 16% employers denied and suggested to improve the curriculum as per the industrial standards.

Employer FEEDBACK (2022-23)

Sl. No	Empolyer count: 12 Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total Response	A+B+C/total	D+E/total
		A	B	C	D	E			
D1	Curriculum updated as per the needs of the industry.	3	4	3	2	0	12	83%	17%
D2	Effective ordering of the courses in the curriculum.	3	5	3	1	0	12	92%	8%
D3	Core and elective course contents in the curriculum are sufficiently addressing the industrial requirements.	4	3	3	2	0	12	83%	17%
D4	Practical content in the curriculum is adequate.	3	4	4	1	0	12	92%	8%
D5	Curriculum is designed effectively for Entrepreneurial development.	3	3	3	2	1	12	75%	25%
D6	Designed curriculum is useful for developing skilled human resources.	3	4	3	2	0	12	83%	17%
D7	Designed curriculum is good balance between theory and practical	4	3	3	2	0	12	83%	17%
D8	Knowledge on recent tools and their usage are sufficiently addressed.	4	4	3	1	0	12	92%	8%
D9	Applicability of the engineering knowledge to solve the problems is sufficient	3	4	4	1	0	12	92%	8%
							Average	85%	15%

Employer FEEDBACK (2022-23)

Feed Back Content (Reference to Table)
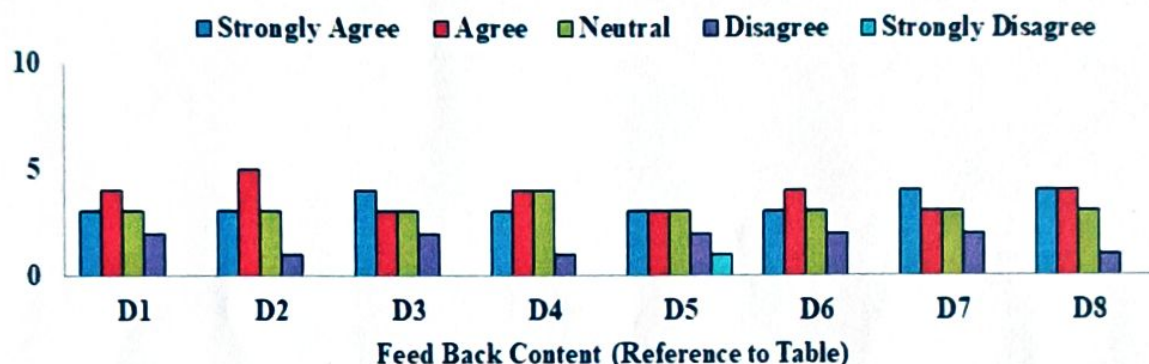
Comments:

- Curriculum has be relevance to the industrial needs
- 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
- Introduce new programming languages in 2nd year to enhance their knowledge.
- Needs to improve their innovative thinking and human values.

HoD
Prof.Sudheer Shetty

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Principal
Dr.Peter Fernandes
PRINCIPAL
Alva's Institute of Engg. & Technwater,
Mijar. MOODBIDRI - 574 225. I.,

Action Taken Report

Date: 21/Sep/2022

The Department of Information Science & Engineering values the comments made by 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
Need certification course on latest technology related to real world with hands on session.	Planned to conduct Certification course on "Data Analytics with R and Python"
Micro projects to be implemented in 2nd year	All students will do micro projects during 2nd year
Exposure to various Human Values activities	Planned to conduct human values activities through forum and NSS.
Industry awareness programme	Industry visit will be implemented in department.
Placement oriented activities	Soft skill training and knowledge of industry oriented tools will be provided to students through placement department.

HoD

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