

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



Department of Electronics and communication Engineering

Report on

Feedback Analysis Report on Curriculum

[2022-23]

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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.

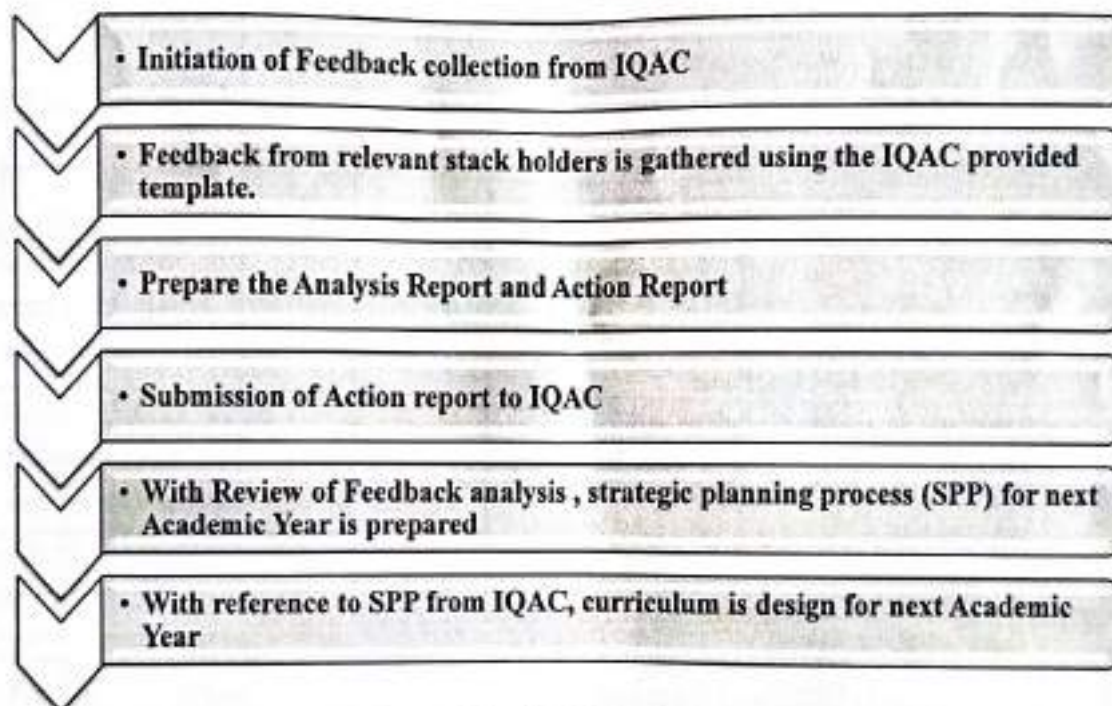


Figure 1: Feedback Analysis Process

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.

1.1 Student's Feedback form on curriculum

For the session 2022 -23, the analysis of stakeholder's feedback is presented as under:

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 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:					


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STUDENT'S FEEDBACK FORM

Name of the Student	USN	Branch	Academic Year
Sahadevi	AN120EC050	ECE	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: —					

SA

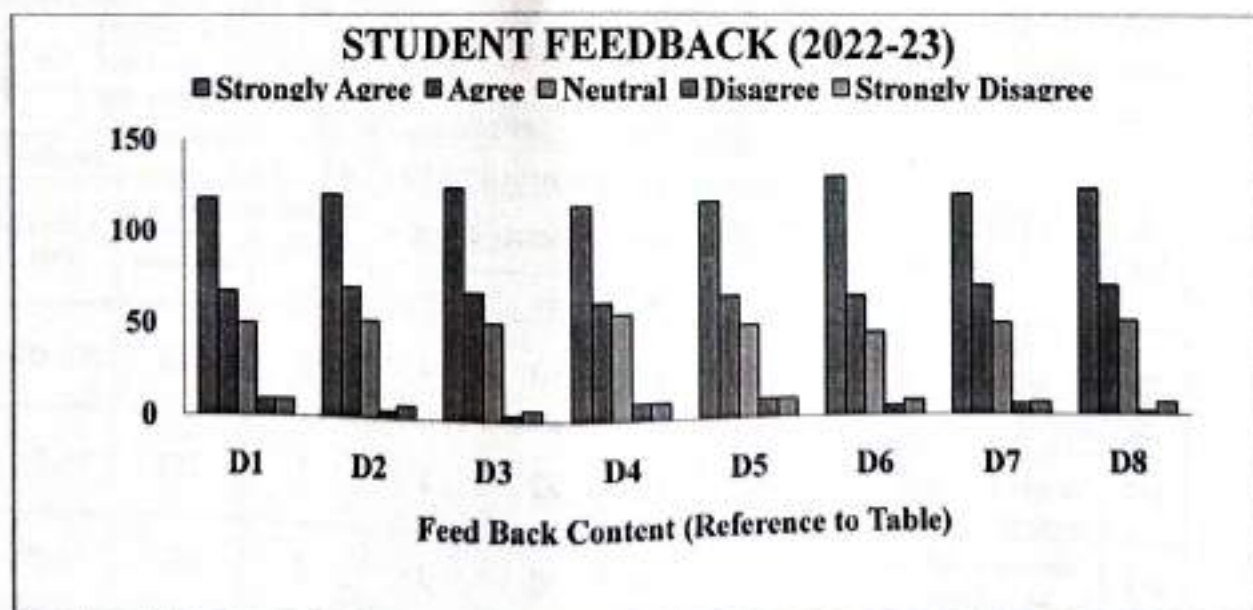
1.2 Feedback Analysis report

An attempt was made to solicit opinions from all college students. A feedback form had been produced for this purpose, and comments from the students had been solicited. A total of 250 responses have been gathered from students on the Syllabus of overall strength. To achieve complete findings, important statistical methods such as percentages, etc., were employed. Various sorts of graphs have been utilised to effectively portray the facts.

94.5% students found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 4.5 % students are expecting improvement in curriculum and resolving it timely.

STUDENT FEEDBACK 2022-23									
99% of total student have provided feedback								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.	118	67	50	9	9	253	92.9%	7.1%
D2	Syllabus is updated based on the need and is career oriented.	120	70	52	4	7	253	95.7%	4.3%
D3	Aims and objectives of the syllabus are	124	68	52	3	6	253	96.4%	3.6%

	well defined and clear.								
D4	Course content is followed by corresponding reference materials.	115	63	57	9	9	253	92.9%	7.1%
D5	Sufficient number of prescribed books is available in the Library.	117	66	50	10	10	253	92.1%	7.9%
D6	The syllabus has good balance between theory and application.	130	65	45	5	8	253	94.9%	5.1%
D7	The course increased knowledge and perspective in the subject area.	120	70	50	6	7	253	94.9%	5.1%
D8	The curriculum ensures student participation in learning process.	123	70	51	2	7	253	96.4%	3.6%
D9	The curriculum creates social awareness among the students.	118	70	50	6	9	253	94.1%	5.9%
D10	The curriculum is sufficient to cover the program /course outcomes.	124	67	50	4	8	253	95.3%	4.7%
		Average percentage						94.5%	5.5%



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FACULTY FEEDBACK FORM

Name of the Faculty	Branch	Designation	Academic Year
Udaya Kumar S	ECE	Asst. Prof	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, and 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: The content of Module-5 in the syllabus is not sufficient.					

(Signature)

2.1 Feedback Analysis Report

An effort was made to receive feedback from all department faculties of the college. For this purpose, feedback form had been prepared and taken feedback. As many as 25 responses have been collected from the faculties on Syllabus of total strength (12). In order to arrive to comprehensive results, useful statistical tools like percentage, etc. have been used. For the effective presentation of the data, various types of graphs have been used.

96 % faculties found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 4% faculties are expecting improvement in curriculum and resolving it timely.

FACULTY FEEDBACK 2022-23									
Total Faculty : 12		100% of total faculties provided the feedback							
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.	Syllabus is relevant to the course and is career oriented.	6	5	1	0	0	12	100%	0%
D2	Syllabus is updated regularly as per the industry needs.	5	5	1	1	0	12	92%	8%
D3	Course objectives and outcomes are clearly defined	5	5	1	1	0	12	92%	8%
D4	Course content is followed by sufficient reference materials.	6	5	1	0	0	12	100%	0%

2. Faculty Feedback form

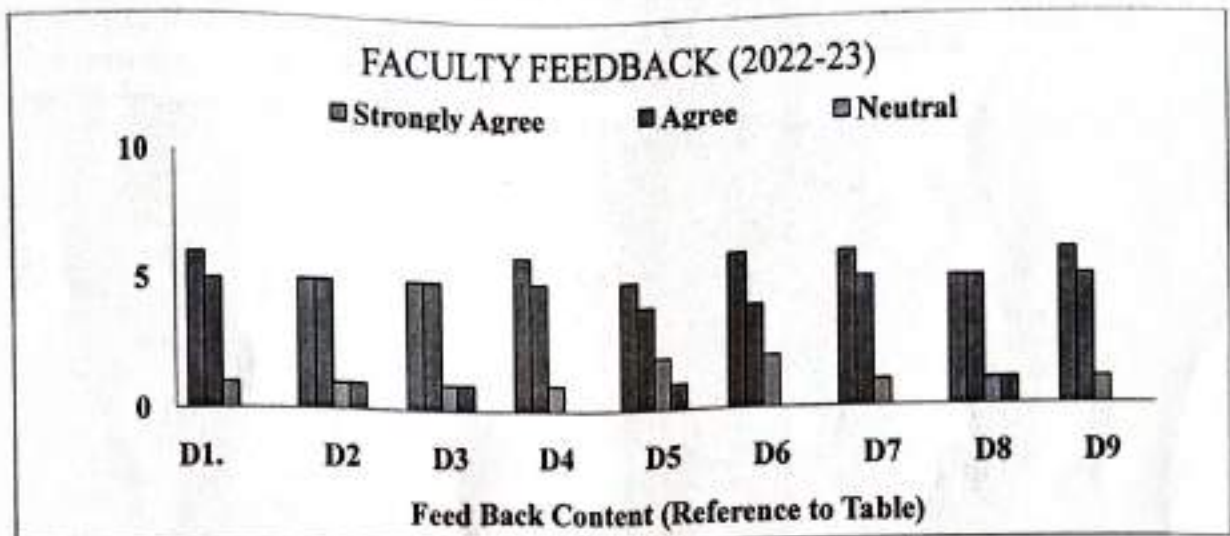
The IQAC creates a feedback form, which is distributed to all departments for response collection.

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 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					
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:					

Feedback Analysis Report on Curriculum (2022-2023)

D5	The course has a good balance between theory and applications.	5	4	2	1	0	12	92%	8%
D6	Teacher has the freedom to adopt new techniques/strategies in teaching	6	4	2	0	0	12	100%	0%
D7	The curriculum ensures student participation in learning process	6	5	1	0	0	12	100%	0%
D8	The curriculum creates social awareness among the students.	5	5	1	1	0	12	92%	8%
D9	The curriculum is sufficient to cover the program /course outcomes	6	5	1	0	0	12	100%	0%
							Average	96%	4%



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

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.					


Feedback Analysis Report on Curriculum (2022-2023)

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					
10.	Suggestion/comments:					

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ALUMNI FEEDBACK FORM

Name of the Respondent	Branch	Batch	Semester			
Goudan Shet	ECE	2021	2018			
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.	Adequate 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:					



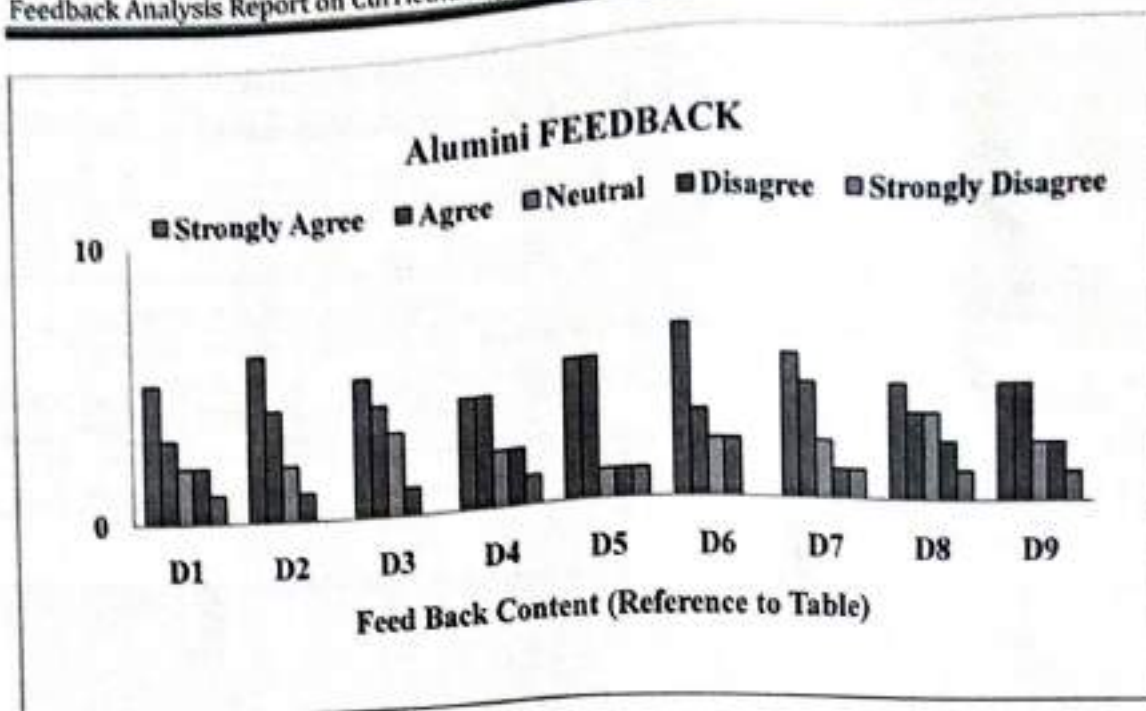
3.2 Feedback Analysis report

An effort was made to receive feedback from alumni's, those who visit the college. For this purpose, feedback form had been prepared and taken feedback. As many as 57 Alumni's visited college and responses have been collected from the Alumni on syllabus. In order to arrive to comprehensive results, useful statistical tools like percentage, etc. have been used. For the effective presentation of the data, various types of graphs have been used.

Feedback Analysis Report on Curriculum (2022-2023)

83% students found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 17% students are expecting improvement in curriculum and resolving it timely.

Alumni FEEDBACK									
Total : 13 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	Content of the curriculum is need based.	5	3	2	2	1	13	77%	23%
D2	Core courses in the curriculum are adequate.	6	4	2	1	0	13	92%	8%
D3	Elective courses in the curriculum are sufficient.	5	4	3	1	0	13	92%	8%
D4	Ample practical content in the curriculum.	4	4	2	2	1	13	77%	23%
D5	Useful curriculum for Entrepreneurial development.	5	5	1	1	1	13	85%	15%
D6	Effective curriculum for developing skilled human resources.	6	3	2	2	0	13	85%	15%
D7	Valuable curriculum for innovative thinking and Employability.	5	4	2	1	1	13	85%	15%
D8	Curriculum helps in finding the solutions for engineering and societal problems.	4	3	3	2	1	13	77%	23%
D9	Curriculum helps in engaging independent and lifelong learning in the context of evolving technology.	4	4	2	2	1	13	77%	23%
					Average			83%	17%



4. Employer Feedback

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

4.1 Employer Feedback form on curriculum

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					
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.					

Feedback Analysis Report on Curriculum (2022-2023)

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:					

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EMPLOYER FEEDBACK FORM

Name of the Respondent	Organization	Designation	Contact Details
UNA	APPROPRIATE SOLUTIONS PVT. LTD.	Software Engineer	9496509043

Respected Employer, for purpose of this form:

1. Share your opinion on the quality of education and programs provided.
2. Share the quality of the academic curriculum.

Sl. No	Comments	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"/>	<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.	Valuable curriculum for innovative thinking and employability.		<input checked="" type="checkbox"/>			
8.	Knowledge on recent tools and their usage 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:					

[Signature]

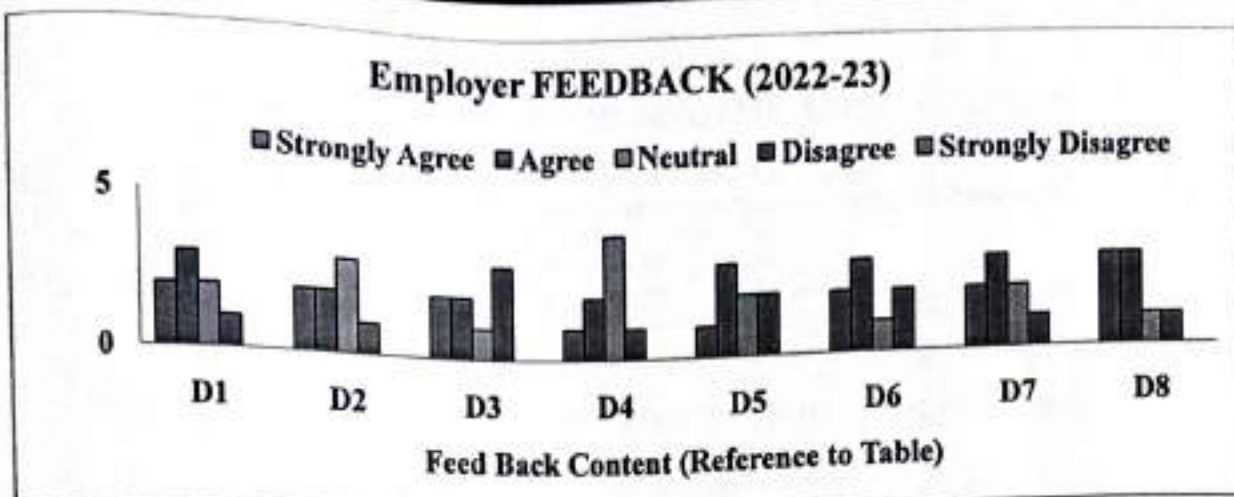
4.2 Feedback Analysis Report

An effort was made to receive feedback from employers, those who visit of the college for placement, workshop technical talks...etc. For this purpose, feedback form had been prepared and taken feedback. As many as 10 employee visited college and responses have been collected from them on curriculum. In order to arrive to comprehensive results, useful statistical tools like percentage, etc. have been used. For the effective presentation of the data, various types of graphs have been used

83 % 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. 17% employers denied and suggested to improve the curriculum as per the industrial standards.

Feedback Analysis Report on Curriculum (2022-2023)

Employer count: 8									
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	Curriculum updated as per the needs of the industry.	2	3	2	1	0	8	88%	13%
D2	Effective ordering of the courses in the curriculum.	2	2	3	1	0	8	88%	13%
D3	Core and elective course contents in the curriculum are sufficiently addressing the industrial requirements.	2	2	1	3	0	8	63%	38%
D4	Practical content in the curriculum is adequate.	1	2	4	1	0	8	88%	13%
D5	Curriculum is designed effectively for Entrepreneurial development.	1	3	2	2	0	8	75%	25%
D6	Designed curriculum is useful for developing skilled human resources.	2	3	1	2	0	8	75%	25%
D7	Valuable curriculum for innovative thinking and employability	2	3	2	1	0	8	88%	13%
D8	Knowledge on recent tools and their usage are sufficiently addressed.	3	3	1	1	0	8	88%	13%
D9	Applicability of the engineering knowledge to solve the problems is sufficient.	4	3	1	0	0	8	100%	0%
Average								83%	17%



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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Action Taken Report for AY 2022-2023

Date: 14 August 2023

The Department of Electronics and Communication Engineering recognizes the suggestions provided by students, staff, alumni, and employers during AY 2022-2023 in order to enhance the curriculum for AY 2023-2024, make it more industry-need driven, and expand the research activities. All of the recommendations have been taken into consideration, and the steps taken are given in the table.

Key Feedback Response	Action Planned (WRT: IQAC SPP for AY 2023-2024)
Short term and more practical courses should be provided.	Short term courses are planned in the domain of VLSI, IoT, and Robotics. Planned to choose the advanced ability enhancement courses to improve the practical knowledge strength.
Training needs on programming languages	Urged the students to take part in all programming languages (Java and Python) workshops held by our Institution and announced plans to launch a coding club in the ECE Department.
Technical presentation on emerging technology is needed to enrich the technical knowledge as well as students soft skills	Industry required, professional elective courses will be delivered to students and students are motivated to provide presentations in cutting edge technologies. Planned the training on verbal ability and mock interview training by the external experts.
Syllabus should be updated based on the progressive courses which can help to update our core subject technical skills.	According to VTU 2021 scheme many advanced courses like IoT, MEMS and Network security are incorporated.

Siddesh

Dr. Siddesh G.K
H. O. D.

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