

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

[2018-19]

Coordinators

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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.

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 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.

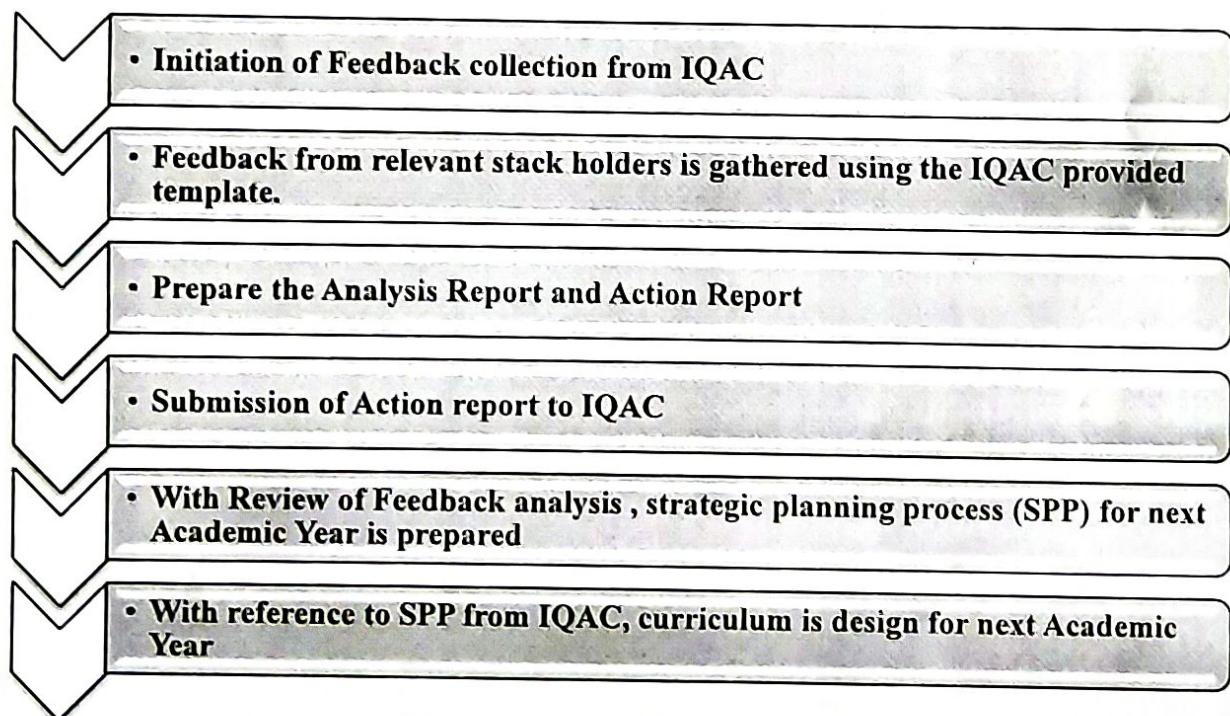



Figure 1: Feedback Analysis Process

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. 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



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STUDENTS' FEEDBACK FORM						
Name of the Student	USN	Branch	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.	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:					

Figure 1.1: Student Feedback Form

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STUDENTS FEEDBACK FORM

Name of the Student	USN	Branch	Academic Year
MAHALAKSHMI	4ALISE046	ECE	2018-19

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 Questions	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 syllabi 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: IMPLEMENT MORE CONCURRENT TECHNOLOGY IN LABS RATHER THAN OBSOLETE ONES INTRODUCE MORE PROGRAMMING SUBJECTS TO PROMOTE H/W & S/W CODESIGN					

(M)

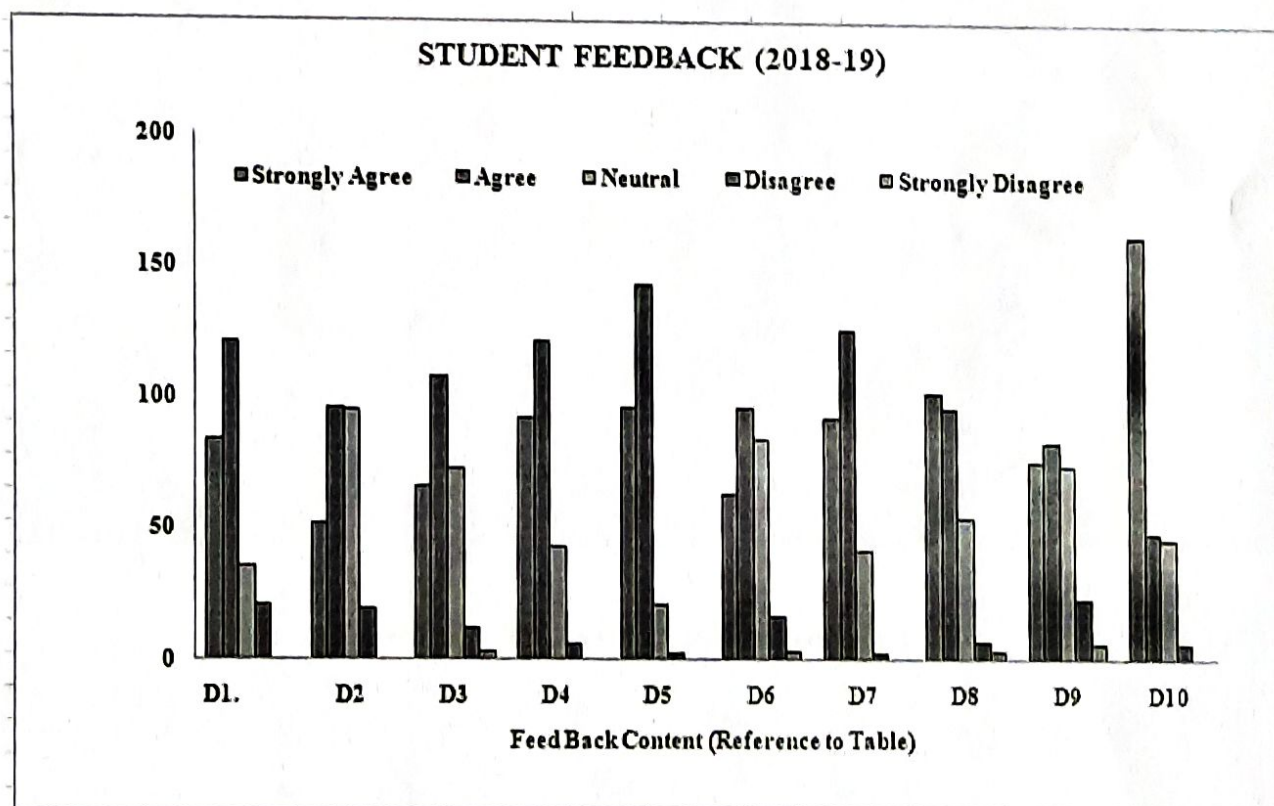
Figure 1.2: Shows the sample copy of Feedback response

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 262 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.

95.1% students found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 4.9% students are expecting improvement in curriculum and resolving it timely.

STUDENT FEEDBACK									
Total Student 274		95.1% of total students have provided 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	Contents in syllabus are relevant to the course.	84	121	36	21	0	262	92.0%	8.0%
D2	Syllabus is updated based on the need and is career oriented.	52	96	93	19	0	262	92.7%	7.3%
D3	Aims and objectives of the syllabus are well defined and clear.	66	108	73	12	3	262	94.3%	5.7%
D4	Course content is followed by corresponding reference materials.	92	121	43	6	0	262	97.7%	2.3%
D5	Sufficient number of prescribed books is available in the Library.	96	143	21	2	0	262	99.2%	0.8%
D6	The syllabus has good balance between theory and application.	63	96	84	16	3	262	92.7%	7.3%
D7	The course increased knowledge and perspective in the subject area.	92	126	42	2	0	262	99.2%	0.8%
D8	The curriculum ensures student participation in learning process.	102	96	54	7	3	262	96.2%	3.8%
D9	The curriculum creates social awareness among the students.	76	83	74	23	6	262	88.9%	11.1%
D10	The curriculum is sufficient to cover the program /course outcomes.	162	48	46	6	0	262	97.7%	2.3%
								95.1%	4.9%



Comments:

- In microprocessor along with the processors, one should get atleast a glance of micro computer and some generic boards.

- Based on the future scope, subjects have to be revised.
- Industry visits is necessary to understand what are the current technologies used, who are their clients, working environment etc.

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

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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 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


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FACULTY FEEDBACK FORM

Name of the Faculty	Branch	Designation	Academic Year
Sahana K.	ECE	Asst. Prof.	2018-19

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 Questions	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: <i>Theory oriented subjects should be included in the syllabus.</i>					

Sahana

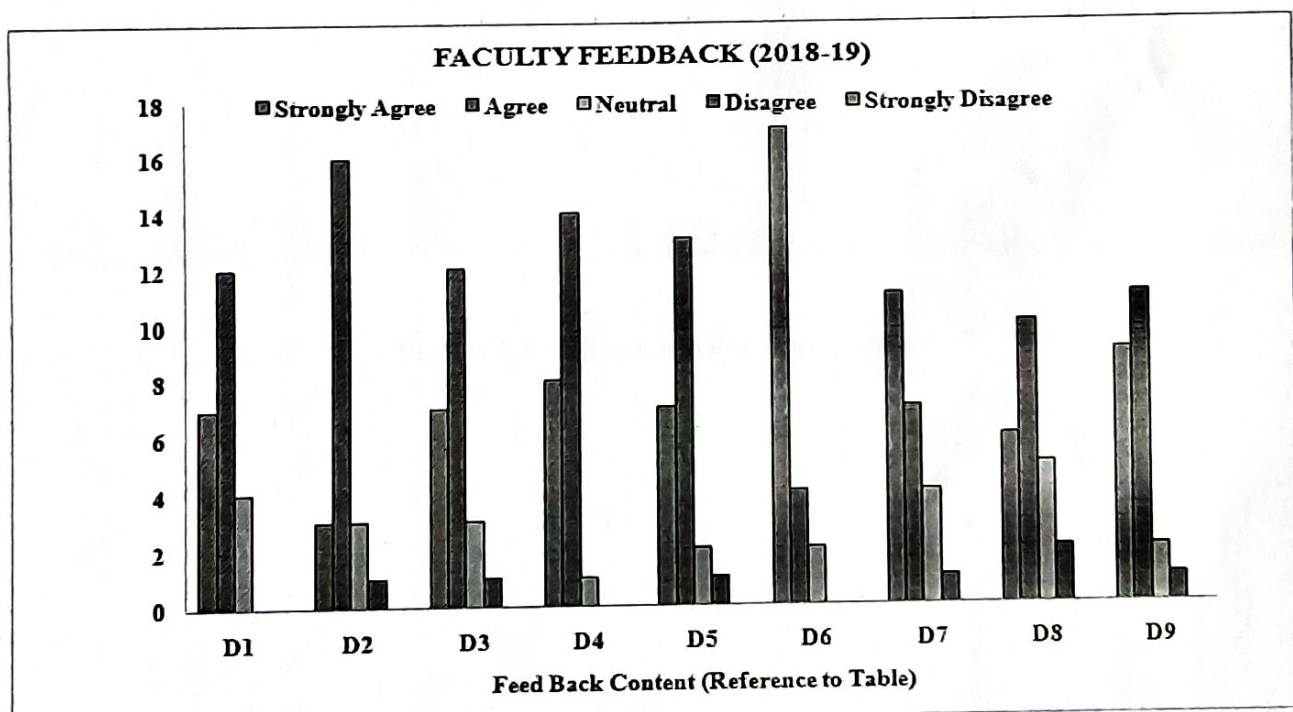
Figure 2.2 : Shows the sample copy of Feedback response

2.2 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 23 responses have been collected from the faculties on Syllabus of total strength. 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.

97 % faculties found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 3 % faculties are expecting improvement in curriculum and resolving it timely.

FACULTY FEEDBACK									
Total Faculty : 27		85% of Total Faculty provided the feedback							
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.	7	12	4	0	0	23	100%	0%
D2	Syllabus is updated regularly as per the industry needs.	3	16	3	1	0	23	96%	4%
D3	Course objectives and outcomes are clearly defined.	7	12	3	1	0	23	96%	4%
D4	Course content is followed by sufficient reference materials.	8	14	1	0	0	23	100%	0%
D5	The course has a good balance between theory and applications.	7	13	2	1	0	23	96%	4%
D6	Teacher has the freedom to adopt new techniques/strategies in teaching.	17	4	2	0	0	23	100%	0%
D7	The curriculum ensures student participation in learning process.	11	7	4	1	0	23	96%	4%
D8	The curriculum creates social awareness among the students.	6	10	5	2	0	23	91%	9%
D9	The curriculum is sufficient to cover the program /course outcomes.	9	11	2	1	0	23	96%	4%
							Average	97%	3%




Comments

- Real time application based assignments should be given so that students can apply the knowledge gained in theory classes.
- Subject based mini projects should be included in all semester to gain more practical knowledge.

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



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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

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ALUMINI FEEDBACK FORM

Name of the Respondent: <u>Deepika N. Karanth</u>		Branch: <u>ECE</u>	Batch: <u>2018-19</u>	Scheme: <u>2015</u>		
Sl. No.	Questions	Response				
		Completely Agree	Agree	Neutral	Disagree	Completely 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.	Suggestions/Comments: <u>Syllabus is appropriate but more courses based on programming should be introduced to meet IT companies need.</u>					

Deepika

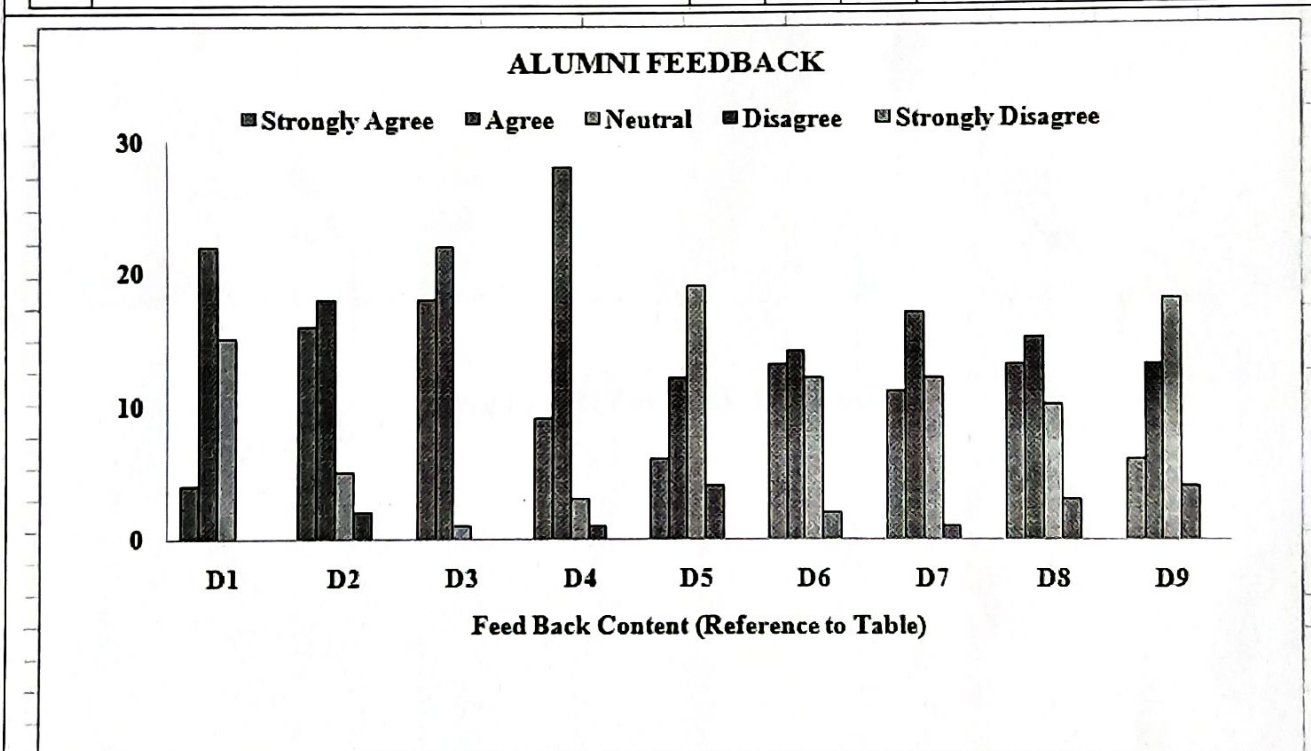
Figure 3.2: Shows the sample copy of Feedback response

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 41 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.

95% students found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 5% students are expecting improvement in curriculum and resolving it timely.

ALUMNI FEEDBACK									
Total : 41 Alumni have provided the feedback on curriculum									
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.	4	22	15	0	0	41	100%	0%
D2	Core courses in the curriculum are adequate.	16	18	5	2	0	41	95%	5%
D3	Elective courses in the curriculum are sufficient.	18	22	1	0	0	41	100%	0%
D4	Ample practical content in the curriculum.	9	28	3	1	0	41	98%	2%
D5	Useful curriculum for Entrepreneurial development.	6	12	19	4	0	41	90%	10%
D6	Effective curriculum for developing skilled human resources.	13	14	12	2	0	41	95%	5%
D7	Valuable curriculum for innovative thinking and Employability.	11	17	12	1	0	41	98%	2%
D8	Curriculum helps in finding the solutions for engineering and societal problems.	13	15	10	3	0	41	93%	7%
D9	Curriculum helps in engaging independent and lifelong learning in the context of evolving technology.	6	13	18	4	0	41	90%	10%
							Average	95%	5%




Comments

- Syllabus should be revised based on the current trends.
- IoT and Robotics related subjects should be included.

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



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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. 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


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EMPLOYER FEEDBACK FORM

Name of the Respondent:	Organization:	Designation:	Contact Details:
VIJAYALAKSHMI S. SUVARNA	DIYA SYSTEMS (MANGALORE) PVT LTD	AUSUMMI KKR-HR	9342189555

Respected Employer, the purpose of this survey is to,

- Obtain your input on the quality of education our graduates received,
- Assess the quality of the academic program.

Sl. No	Questions	Response				
		Completely Agree	Agree	Neutral	Disagree	Completely 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.	Suggestions/Comments: Please add two workshops on interviewing skills (How to attend interview), Aptitude test, how to prepare resume etc.					



 Name and Signature: VIJAYALAKSHMI S. SUVARNA

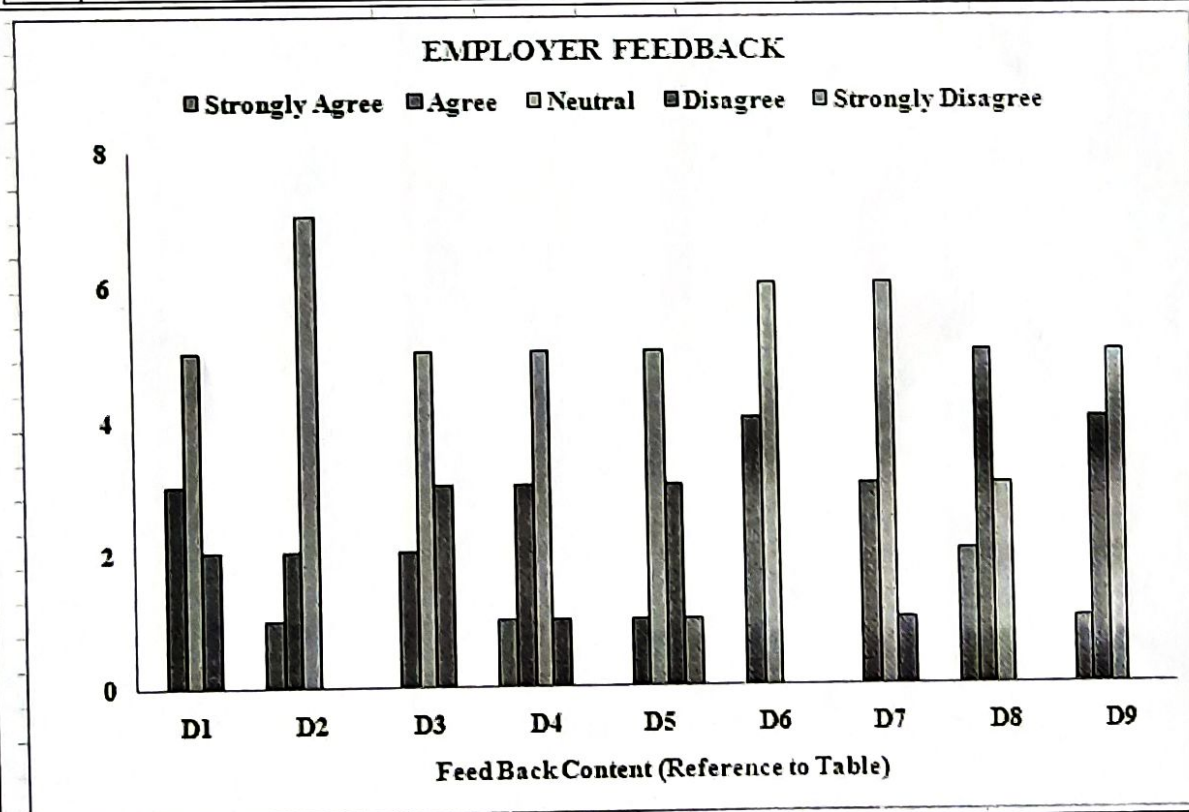
Figure 4.2: Sample copy of Feedback copy

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. 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

88 % 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. 12% employers denied and suggested to improve the curriculum as per the industrial standards.

EMPLOYER FEEDBACK									
Employer count 10									
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	Curriculum updated as per the needs of the industry.	0	3	5	2	0	10	80%	20%
D2	Effective ordering of the courses in the curriculum.	1	2	7	0	0	10	100%	0%
D3	Core and elective course contents in the curriculum are sufficiently addressing the industrial requirements.	0	2	5	3	0	10	70%	30%
D4	Practical content in the curriculum is adequate.	1	3	5	1	0	10	90%	10%
D5	Curriculum is designed effectively for Entrepreneurial development.	0	1	5	3	1	10	60%	40%
D6	Designed curriculum is useful for developing skilled human resources.	0	4	6	0	0	10	100%	0%
D7	Valuable curriculum for innovative thinking and employability	0	3	6	1	0	10	90%	10%
D8	Knowledge on recent tools and their usage are sufficiently addressed.	2	5	3	0	0	10	100%	0%
D9	Applicability of the engineering knowledge to solve the problems is sufficient.	1	4	5	0	0	10	100%	0%
Average								88%	12%



Comments:

- Practical Knowledge should be improved by incorporating more lab sessions.
- Students should be trained to improve programming skills and to be company ready.



H. O. D.

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PRINCIPAL

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