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 Computer Science and Engineering

Report on

Feedback Analysis Report on Curriculum

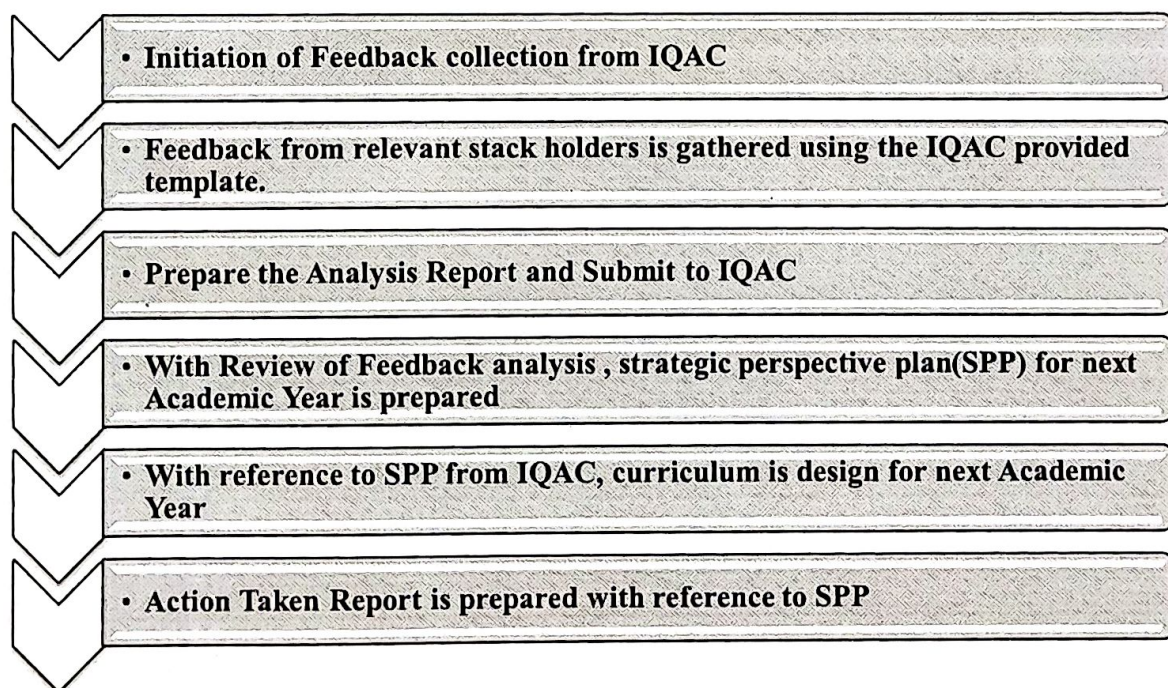## [2018-19]

Coordinators

Mr. Sayeesh
Assistant Professor

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.

1.1 Student's Feedback form on curriculum

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

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:					

Figure 1.1: Student Feedback Form

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STUDENTS FEEDBACK FORM

Name of the Student	USN	Branch		Academic Year	
SUDARSHAN G	4AL15CS094	CSE		2018-19	

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

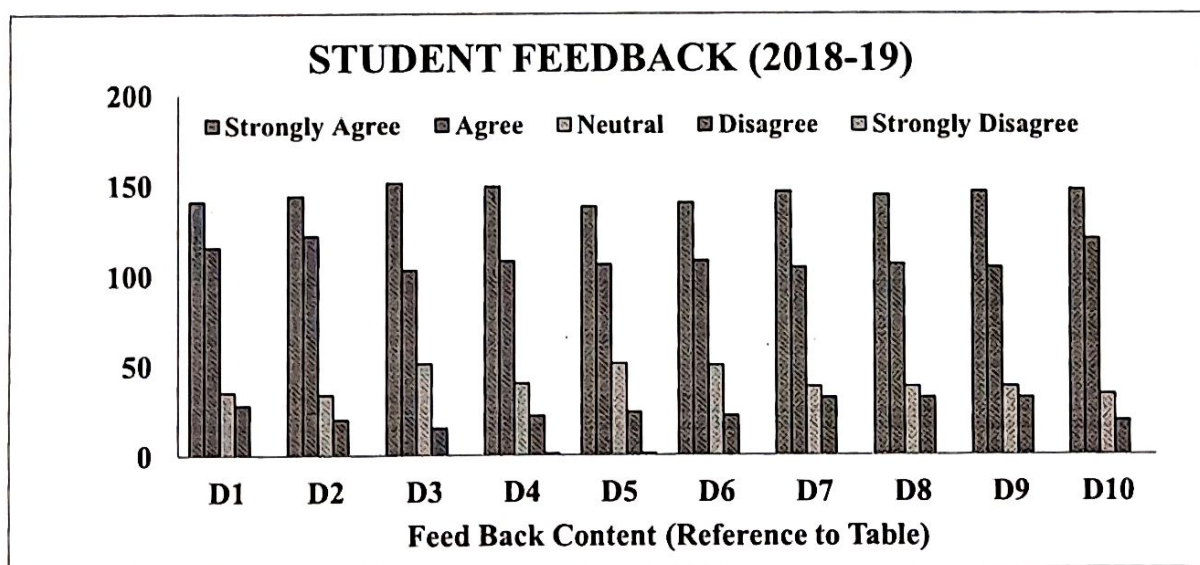| Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Contents in syllabus are relevant to the course.		✓			
2.	Syllabus is updated based on the need and is career oriented.	✓				
3.	Aims and objectives of the syllabus are well defined and clear.		✓			
4.	Course content 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: Some online certification courses can be made mandatory to enhance the Industry skills for students					

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 during AY 2018-19. A feedback form had been produced for this purpose, and comments from the students had been solicited. A total of 320 responses have been gathered from students on the Syllabus. 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.

92.3 percent of students judged the curriculum to be very helpful in improving teamwork, developing analytical abilities, and encouraging constructive learning, while 7.8 percent of students anticipate curriculum improvement and speedy resolution..

	STUDENT FEEDBACK								
	96.3% of total student are provivded 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.	141	116	35	28	0	320	91.3%	8.8%
D2	Syllabus is updated based on the need and is career oriented.	144	122	34	20	0	320	93.8%	6.3%
D3	Aims and objectives of the syllabus are well defined and clear.	151	103	51	15	0	320	95.3%	4.7%
D4	Course content is followed by corresponding reference materials.	149	108	40	22	1	320	92.8%	7.2%
D5	Sufficient number of prescribed books is available in the Library.	138	106	51	24	1	320	92.2%	7.8%
D6	The syllabus has good balance between theory and application.	140	108	50	22	0	320	93.1%	6.9%
D7	The course increased knowledge and prespective in the subject area.	146	104	38	32	0	320	90.0%	10.0%
D8	The curriculum ensures student participation in learning process.	144	106	38	32	0	320	90.0%	10.0%
D9	The curriculum creates social awareness among the students.	146	104	38	32	0	320	90.0%	10.0%
D10	The curriculum is sufficient to cover the program /course outcomes.	147	120	34	19	0	320	94.1%	5.9%
					Average			92.3%	7.8%

Comments:
- Industry oriented courses like AIML, Python, Block Chain etc. need to be conducted regularly
- Some community service oriented programs can be done to create social awareness
- Mobile Application related hands-on sessions may be organized

- Some online certification courses can be made mandatory to enhance the industry skills for students
- Certification courses like Python, Machine Learning, Block Chain ,IOT can be introduced.

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	

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:					

Figure 2.1 : Shows the Faculty Feedback Form

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FACULTY FEEDBACK FORM

Name of the Faculty	Branch	Designation	Academic Year
Dr. Manju hatt kotai	CSE	Prof & HOD	2018-19

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

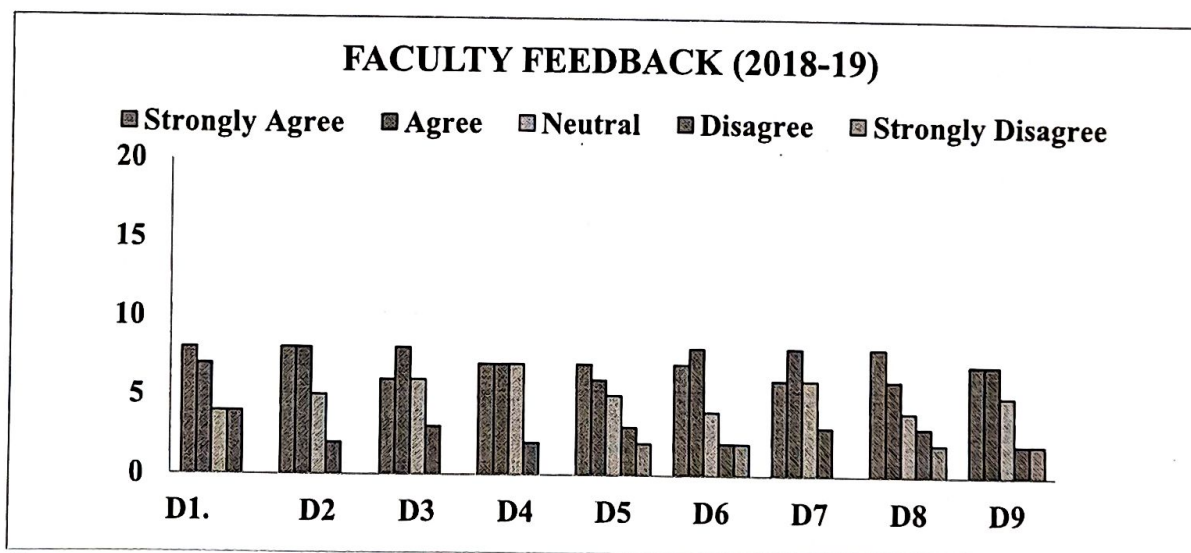| Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Syllabus is relevant to the course and is career oriented.	✓				
2.	Syllabus is updated regularly as per the industry needs.	✓				
3.	Course objectives and outcomes are clearly defined.	✓				
4.	Course content is followed 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: Research Methodology related subject need to be introduced.					

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 2018-19. For this purpose, feedback form had been prepared and taken feedback. As many as 24 responses have been collected from the faculties 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.

85 % faculties found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 15 % faculties are expecting improvement in curriculum and resolving it timely

	FACULTY FEEDBACK								
	Total Faculty : 24		92.8% of total faculties 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.	8	7	4	4	0	23	83%	17%
D2	Syllabus is updated regularly as per the industry needs.	8	8	5	2	0	23	91%	9%
D3	Course objectives and outcomes are clearly defined.	6	8	6	3	0	23	87%	13%
D4	Course content is followed by sufficient reference materials.	7	7	7	2	0	23	91%	9%
D5	The course has a good balance between theory and applications.	7	6	5	3	2	23	78%	22%
D6	Teacher has the freedom to adopt new techniques/strategies in teaching.	7	8	4	2	2	23	83%	17%
D7	The curriculum ensures student participation in learning process.	6	8	6	3	0	23	87%	13%
D8	The curriculum creates social awareness among the students.	8	6	4	3	2	23	78%	22%
D9	The curriculum is sufficient to cover the program /course outcomes.	7	7	5	2	2	23	83%	17%
							Average	85%	15%

FACULTY FEEDBACK (2018-19)

Comments
- Curriculum should meet industrial requirements
- Out-dated subjects need to be removed from the curriculum, and new add subjects like Full stack development, Image processing etc.
- Advanced technologies like Block Chain, Deep Learning , Cyber Security can be interpreted
- Research methodology related subject need to be introduced
- Hands-on session may be included for various subjects

- Industry oriented courses need to be included in curriculum.

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

2018 - 19

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ALUMINI FEEDBACK FORM							
Name of the Respondent		Branch		Batch 2014 - 2018		Scheme 2010	
AISHWARYA SARASWATHI H M		CSE					
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: Programming skills of students should be enhanced by conducting training programme related to python, block chain, IOT, ML						

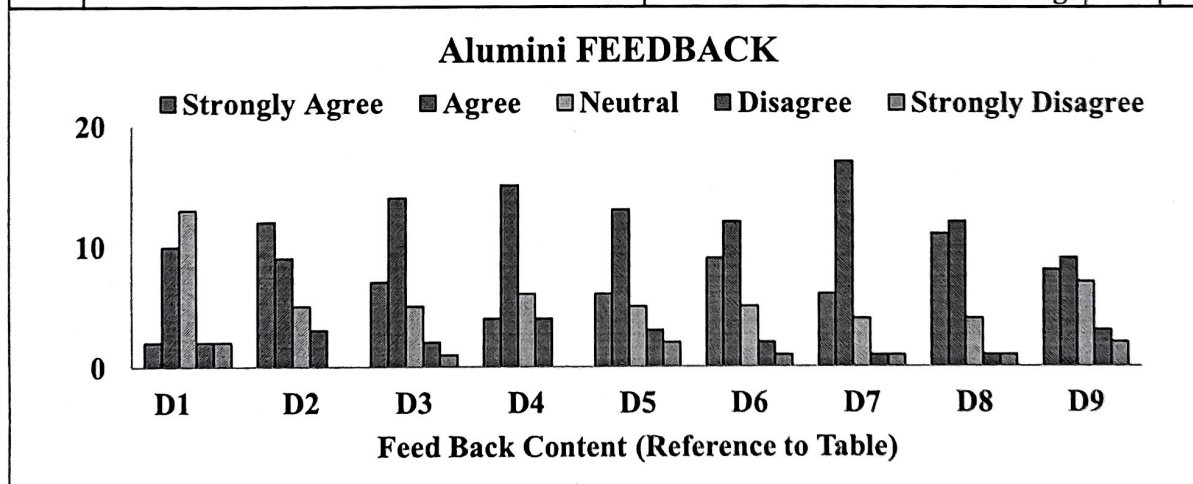**Figure 3.2: Shows the sample copy of Feedback response**

3.2 Feedback Analysis report

An effort was made to receive feedback from alumni's, those who visit the college during AY 2018-19. For this purpose, feedback form had been prepared and taken feedback. As many as 29 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.

88 % students found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 12 % students are expecting improvement in curriculum and resolving it timely

								positive	Negative
Alumna FEEDBACK [2018-19]									
Total : 29 Alumna are provided the feedback on cricullum									
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	Content of the curriculum is need based.	2	10	13	2	2	29	86%	14%
D2	Core courses in the curriculum are adequate.	12	9	5	3	0	29	90%	10%
D3	Elective courses in the curriculum are sufficient.	7	14	5	2	1	29	90%	10%
D4	Ample practical content in the curriculum.	4	15	6	4	0	29	86%	14%
D5	Useful curriculum for Entrepreneurial development.	6	13	5	3	2	29	83%	17%
D6	Effective curriculum for developing skilled human	9	12	5	2	1	29	90%	10%
D7	Valuable curriculum for innovative thinking and Employability.	6	17	4	1	1	29	93%	7%
D8	Curriculum helps in finding the solutions for engineering and societal problems.	11	12	4	1	1	29	93%	7%
D9	Curriculum helps in engaging independent and lifelong learning in the context of evolving technology.	8	9	7	3	2	29	83%	17%
							Average	88%	12%

Alumini FEEDBACK

Feed Back Content (Reference to Table)

Comments
- Programming skills of students should be enhanced by conducting training programs related to Python, Block Chain, IOT, Machine Learning.
- More exposure towards Web Development, Mobile Application Development is needed
- Career oriented subjects can be introduced in the syllabus.
- Students must expose to work environment at Industry
- More Career Awareness Program should be conducted.
- Electives options should be open for all subjects

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. 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 theirusage 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
Manikanta	odua Technologies	Campus Recruiter	9108444548

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:					

Curriculum needs to be enhanced

Manikanta

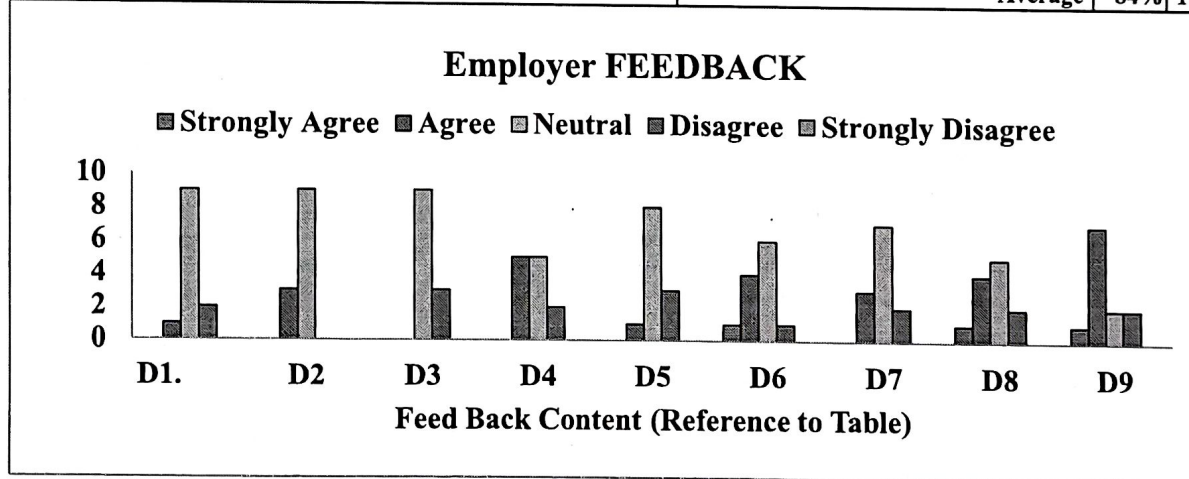**Figure 4.2: Sample copy of Feedback copy**

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 2018-19. For this purpose, feedback form had been prepared and taken feedback. As many as 12 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

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 [2018-19]									
	Empolyer count: 12								
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.	0	1	9	2	0	12	83%	17%
D2	Effective ordering of the courses in the curriculum.	0	3	9	0	0	12	100%	0%
D3	Core and elective course contents in the curriculum are sufficiently addressing the industrial requirements.	0	0	9	3	0	12	75%	25%
D4	Practical content in the curriculum is adequate.	0	5	5	2	0	12	83%	17%
D5	Curriculum is designed effectively for Entrepreneurial development.	0	1	8	3	0	12	75%	25%
D6	Designed curriculum is useful for developing skilled human resources.	1	4	6	1	0	12	92%	8%
D7	Valuable curriculum for innovative thinking and employability	0	3	7	2	0	12	83%	17%
D8	Knowledge on recent tools and theirusage are sufficiently addressed.	1	4	5	2	0	12	83%	17%
D9	Applicability of the engineering knowledge to solve the problems is sufficient.	1	7	2	2	0	12	83%	17%
							Average	84%	16%

Employer FEEDBACK

■Strongly Agree ■Agree ▣Neutral ■Disagree ▣Strongly Disagree

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 IT industries.
- Curriculum need to be enhanced

Department of Computer Science and Engineering

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

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