

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 Mechanical Engineering

Report on

Feedback Analysis Report on Curriculum

[2019-20]

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.

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.

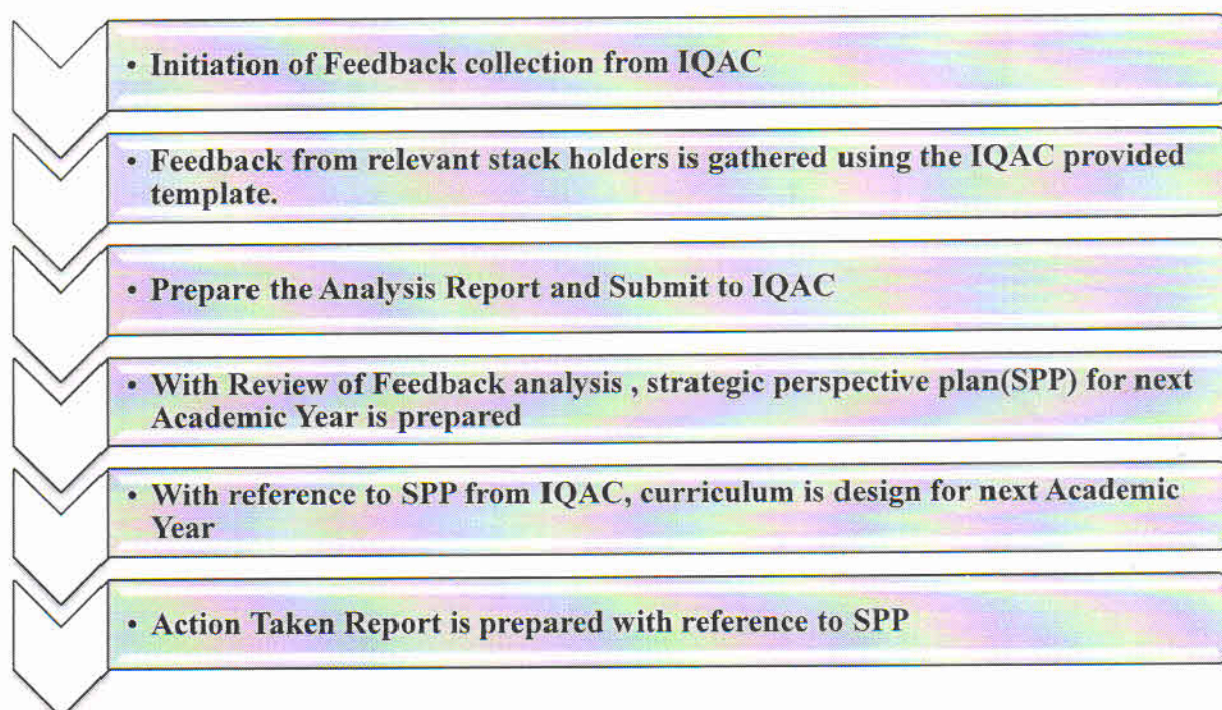



Figure 1: Feedback Analysis Process

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


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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			
Chinnappa S.4	44116M013	ME	2019-20			
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: • Provide the awareness about the industry needs to students. • Start offline classes, online classes is difficult to follow.					

Chinnappa S.4

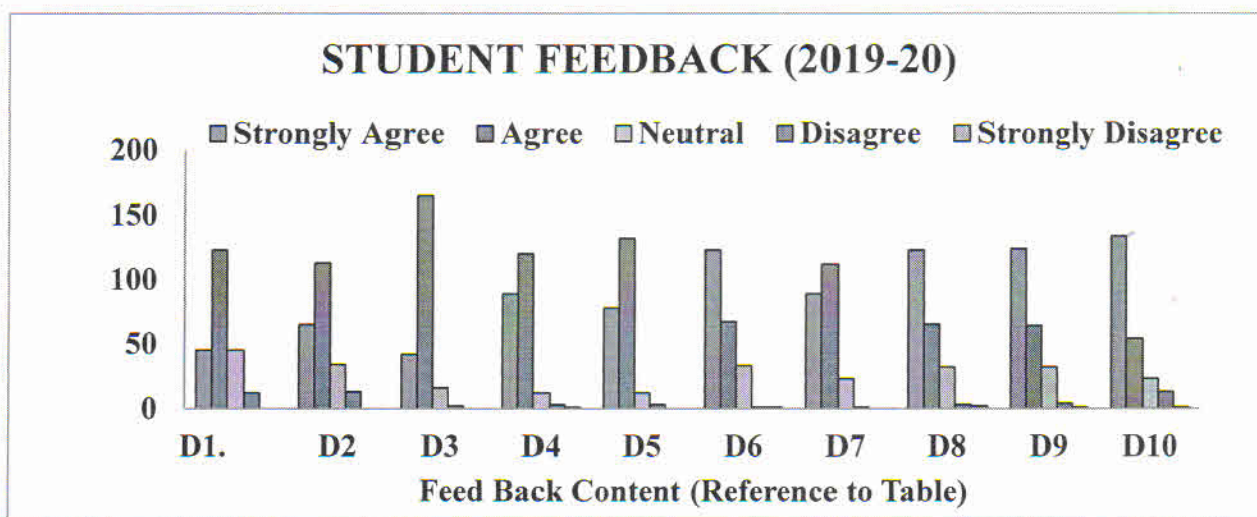
Figure 1.2 : Shows the sample copy of Feedback response

1.2 Feedback Analysis report

An attempt was made to solicit opinions from all college 2nd, 3rd & 4th Year students of AY 2019-20. A feedback form had been prepared from IQAC for this purpose, and comments from the students had been solicited. A total of 225 responses have been gathered from students. 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.

97.3 percent of students judged the curriculum to be very helpful in improving teamwork, developing analytical abilities, and encouraging constructive learning, while 2.7 percent of students anticipate curriculum improvement and speedy resolution..

STUDENT FEEDBACK [2019-20]									
83.9% of total student are provided feedback									
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.	45	123	45	12	0	225	94.7%	5.3%
D2	Syllabus is updated based on the need and is career oriented.	65	113	34	13	0	225	94.2%	5.8%
D3	Aims and objectives of the syllabus are well defined and clear.	42	165	16	2	0	225	99.1%	0.9%
D4	Course content is followed by corresponding reference materials.	89	120	12	3	1	225	98.2%	1.8%
D5	Sufficient number of prescribed books is available in the Library.	78	132	12	3	0	225	98.7%	1.3%
D6	The syllabus has good balance between theory and application.	123	67	33	1	1	225	99.1%	0.9%
D7	The course increased knowledge and perspective in the subject area.	89	112	23	1	0	225	99.6%	0.4%
D8	The curriculum ensures student participation in learning process.	123	65	32	3	2	225	97.8%	2.2%
D9	The curriculum creates social awareness among the students.	124	64	32	4	1	225	97.8%	2.2%
D10	The curriculum is sufficient to cover the program /course outcomes.	134	54	23	13	1	225	93.8%	6.2%
Average								97.3%	2.7%




Comments:

- We need industrial level hands on training, like CATIA, CNC..etc
- Pre-placement training is require with hands on training
- Incorporate industrial oriented subjects and make it mandatory to all
- Need course consists of practice exercises for Quantitative or Numerical and Verbal Ability
- Need industrial visit , to know the industrial work environment

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			
KIRAN M	Mechanical Engg	Asst Professor	2019-20			
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.			<input checked="" type="checkbox"/>		
2.	Syllabus is updated regularly as per the industry needs.			<input checked="" type="checkbox"/>		
3.	Course objectives and outcomes are clearly defined.		<input checked="" type="checkbox"/>			
4.	Course content is followed by sufficient reference materials.		<input checked="" type="checkbox"/>			
5.	The course has a good balance between theory and applications.		<input checked="" type="checkbox"/>			
6.	Teacher has the freedom to adopt new techniques/strategies in teaching.		<input checked="" type="checkbox"/>			
7.	The curriculum ensures student participation in learning process.		<input checked="" type="checkbox"/>			
8.	The curriculum creates social awareness among the students.		<input checked="" type="checkbox"/>			
9.	The curriculum is sufficient to cover the program /course outcomes.		<input checked="" type="checkbox"/>			
10.	Comments/Suggestion: Curriculum should be include industry related subjects and software					

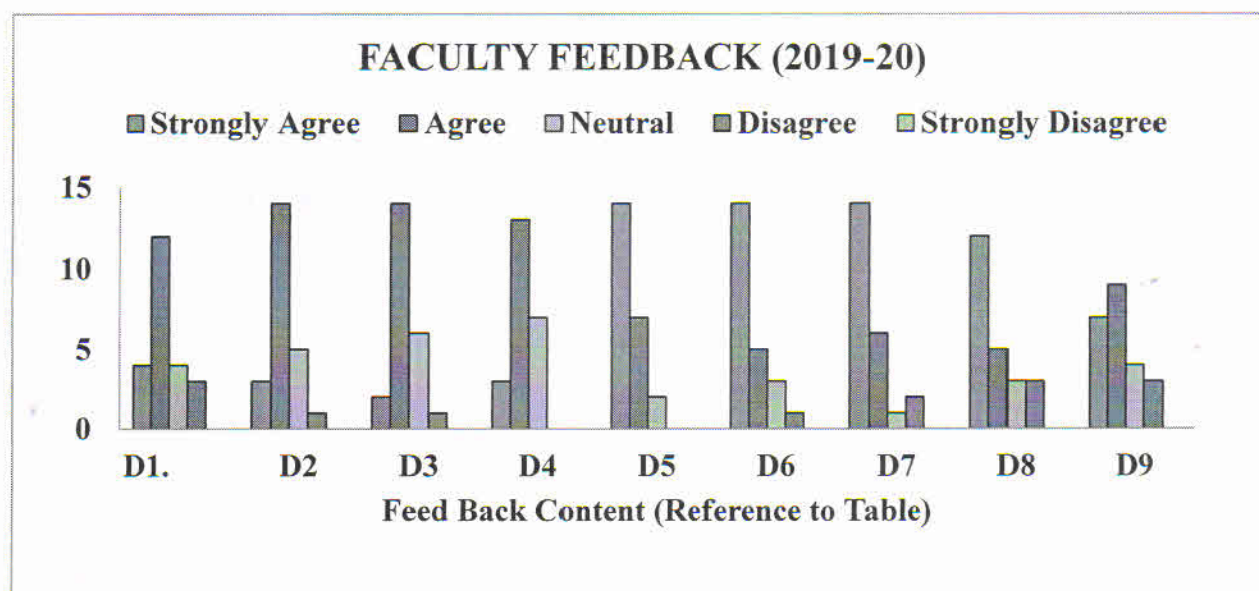
Figure 2.2 : Shows the sample copy of Feedback response

2.1 Feedback Analysis Report

An effort was made to receive feedback from all department faculties of the college during AY 2019-20. For this purpose, feedback form had been prepared and taken feedback. As many as 25 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.

93 % faculties found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 7 % faculties are expecting improvement in curriculum and resolving it timely

FACULTY FEEDBACK [2019-20]									
Total Faculty : 25		92% of total faculties provided the feedback							
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total Response	A+B+C/ total	C+D/ TOTAL
		A	B	C	D	E			
D1.	Syllabus is relevant to the course and is career oriented.	4	12	4	3	0	23	87%	13%
D2	Syllabus is updated regularly as per the industry needs.	3	14	5	1	0	23	96%	4%
D3	Course objectives and outcomes are clearly defined.	2	14	6	1	0	23	96%	4%
D4	Course content is followed by sufficient reference materials.	3	13	7	0	0	23	100%	0%
D5	The course has a good balance between theory and applications.	14	7	2	0	0	23	100%	0%
D6	Teacher has the freedom to adopt new techniques/strategies in teaching.	14	5	3	1	0	23	96%	4%
D7	The curriculum ensures student participation in learning process.	14	6	1	2	0	23	91%	9%
D8	The curriculum creates social awareness among the students.	12	5	3	3	0	23	87%	13%
D9	The curriculum is sufficient to cover the program /course outcomes.	7	9	4	3	0	23	87%	13%
							Average	93%	7%




Comments

- Curriculum should meet industrial requirements
- Remove outdated subjects from the curriculum, and add subjects like Robotics, HAVC, Refrigeration ...etc
- Curriculum should be include industry relative subject and software
- Make mini project mandatory to all students and implement the research activities 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	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: Curriculum Should be revised to latest development.					




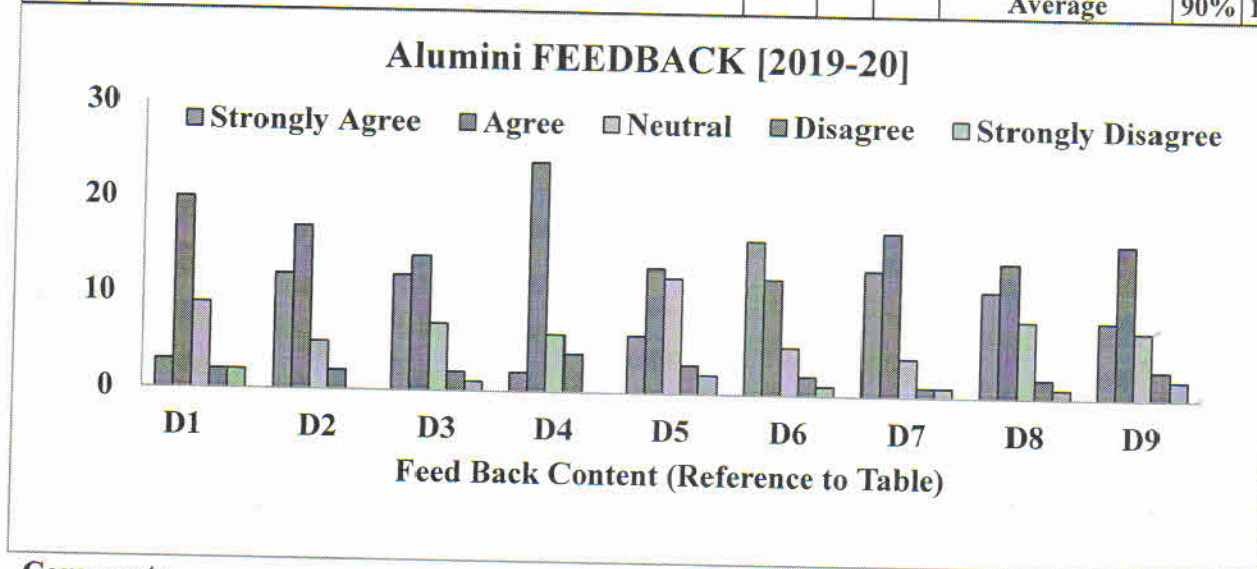
Figure 3.2: Shows the sample copy of Feedback response

3.2 Feedback Analysis report

An effort was made to receive feedback from alumni's, those who visit the college during AY 2019-20. For this purpose, feedback form had been prepared and taken feedback. As many as 36 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.

90 % students found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 10 % students are expecting improvement in curriculum and resolving it timely

Alumna FEEDBACK									
Total : 36 Alumna are provided the feedback on criculum									
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total Response	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 problem	11	14	8	2	1	36	92%	8%
D9	Curriculum helps in engaging independent and lifelong learning in the context of evolving technology.	8	16	7	3	2	36	86%	14%
Average								90%	10%




Comments

- The curriculum or the syllabus need to accompany with current technology
- More Career Awareness Program
- Electives options should be open for all subjects
- For final year students or third year students, Industry expert talks can be organised so as to know what is actually needed in the market.
- Curriculum should be revised to latest development

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			
Dr. P. A. Ramesh	Ramesh India Pvt. Ltd.	HR	ramesh.p.a@bharatnagar.com 9986322556			
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: <i>1. Curriculum should be revised and include latest development subjects.</i>					

Figure 4.2: Sample copy of Feedback copy

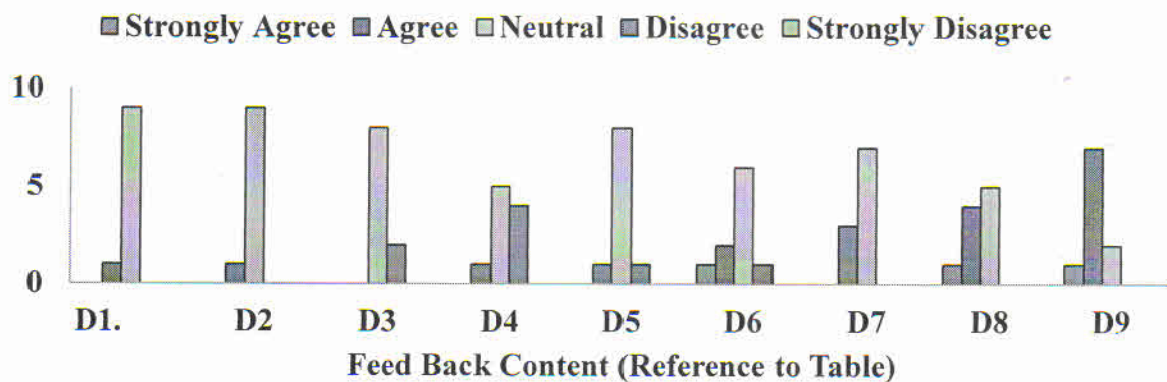
4.2 Feedback Analysis Report

An effort was made to receive feedback from employers, those who visit of the college for placement, workshop technical talks...etc during AY 2019-20. 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

91 % 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. 09 % 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 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	0	0	10	100%	0%
D2	Effective ordering of the courses in the curriculum.	0	1	9	0	0	10	100%	0%
D3	Core and elective course contents in the curriculum are sufficiently addressing the industrial requirements.	0	0	8	2	0	10	80%	20%
D4	Practical content in the curriculum is adequate.	0	1	5	4	0	10	60%	40%
D5	Curriculum is designed effectively for Entrepreneurial development.	0	1	8	1	0	10	90%	10%
D6	Designed curriculum is useful for developing skilled human resources.	1	2	6	1	0	10	90%	10%
D7	Valuable curriculum for innovative thinking and employability	0	3	7	0	0	10	100%	0%
D8	Knowledge on recent tools and their usage are sufficiently addressed.	1	4	5	0	0	10	100%	0%
D9	Applicability of the engineering knowledge to solve the problems is sufficient.	1	7	2	0	0	10	100%	0%
Average								91%	9%

Employer FEEDBACK[2019-20]



Comments:

- Curriculum has 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
- Provide the awareness about the industry needs to students