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 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.

- 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



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			STUDENTS FEEDBACK	FORM				
Name	of the Student	USN	Branch			Academic Year		
	er to improve the effective your valuable feedback an	ness of the designed syllabus and d responses	d to meet the needs of the co	ntemporary advanc	ements ir	the field of engi	neering, you are	requested to
SI. No		Feedback Question		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Contents in syllabus are	relevant to the course,						
2.	Syllabus is updated base							
3.	Aims and objectives of the syllabus are well defined and clear.			000000000000000000000000000000000000000	400 104 117			
4.	Course content is follow	ed by corresponding reference m	naterials.	000	***************************************			
5,	Sufficient number of pre	scribed books is a vailable in the I	Library.					
6,	The syllabus has good ba	slance between theory and applic	cation.					
7.	The course increased kn	owledge and prespective in the s	ubject area.				- Tu-	
8.	The curriculum ensures	student participation in learning (process.					
9,	The curriculum creates s	ocial awareness among the stude	ents.					
10.	The curriculum is sufficie	ent to cover the program /course	outcomes					XVVIII
11.	Comments/Suggestion:							

Figure 1.1: Student Feedback Form

	article (control of							200
	of the Student		TUDENTS FEEDBACK FORF	М		Academic Year	- 0	
		USN	Branch			ACAMETRIC TEAT		
	linnaya GA	4ALIGNEDIS	ME ME			200 - 20		
	into inforced the effectively your valuable feedback an	yess of the designed syllabus and to mee	nt the needs of the conten	ригэгү эсіман	cements in	the livid of enga	neering, you ar	e requested to
SL No		Feedback Question		Strongly	Agree	Nicutral	Disagree	Strongly
2	Contents in syllabor are	relevant to the course.		Agree				Disagree
ž	Syllabus is updated base	d on the next and a cureer ornated						
3.	Aims and objectives of the	so sellabus are well defined and new						
4	Course contern is follows	ed by corresponding reference installate						
3.7	Sufficient number of pre-	scriped tooks it available in the Library						1
100	The sylubus has good ba	fance between theory and application						
7	The course increased know	cwiedge and prespective to the subject a	TESE		By La			
8	The carriculum ensures i	dudent participation in warrang process	No the second second		K			
9	The cornection creates a	ocial awareness among the students						
30.	The comeasure is sufficie	as to cover the program /course outcom	ies					
	Comments/Suggestion:	* Stark affline cla				Bare Control		Commence of the Commence of th

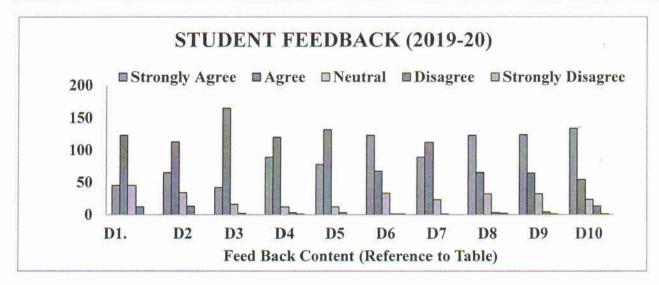
Figure 1.2: Shows the sample copy of Feedback response

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 prepare 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 a	re provivo	ded fee	dback			140		
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total	A+B+C/	
		A	В	C	D	E	Response	total	total
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 prespective 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	Design	rtion		Academic Year		
	r to improve the effective your valuable feedback as	eness of the designed syllabus ar id responses	nd to meet the needs of the co	ontemporary advanc	ements in	the field of engin	neering, you are	requested t
SI. No		Feedback Question		Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Syllabus is relevant to the	e course and is career oriented.						
2.	Syllabus is updated regu							
3.	Course objectives and outcomes are clearly defined.						-	
4.	Course content is follow	ed by sufficient reference mater	ials.					
5.	The course has a good b	alance between theory and app	lications.					
6.	Teacher has the freedor	n to adopt new techniques/strat	egies in teaching.					
7.	The curriculum ensures	student participation in learning	process.					
8.	The curriculum creates	ocial awareness among the stud	lents.					
9.	The curriculum is suffici	ent to cover the program /course	e outcomes.					
	Comments/Suggestion:							
10.								

Figure 2.1: Shows the Faculty Feedback Form

			EACUSTY FEEDBACK FOR	M				
ame.	of the FacGray	Branch	Designation			Academic Year		
	LR Pito 1" III To improve the effective Cur williable feedback	Ma character & Xugar eriess of the designed syllabus and to aid responses		Parkey advant.	ements e	2019 - 21 into tiese of engi		e requested t
I. No		Feedback Question		Strongly	Agrana	Neutral	Disagree	Strongly
7	Syllabox is relevant to t	he source and is coreer oriented.		Agree				Disagree
	Syllabus is opdated reg	alorly as see the oudseley monds.		-				
1	Course objectives and	outcomes are clearly defined.						<u> </u>
A.	Course content is folio	wed try sufficient reference esaturals.			1	403 4		
40	The course has a good	balance between theory are applicati	ons.		استريا			
8	Figurer has the freedo	co to adopt new techniques/strateges	s in teaching					
7	The cornealum ensure	student participation in learning pro	C>3	100.00	AL-	53 100		
83	The conculum creates	social awareness arrong the students					783	
9.	The controllers is suffic	ent to cover the program/course ou	tcomes.				-	
10,	Comments/Suggest and	Cashedon St	and be include	indicate	, 11	abor Put	jects and	Egtin

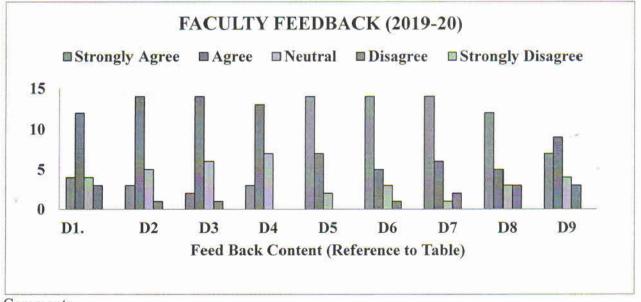
Figure 2.2: Shows the sample copy of Feedback response

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

	Total Faculty : 25	92% of	total t	facultie	s provid	ed the f	eedback	4	
SI. No	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Discourse	Total Response	A+B+C/ total	C+D/
*		A	В	C	D	E	Response	total	TOTAL
D1.	Syllabus is relevant to the course and is career oriented.	4	12	4	3	0	23	87%	13%
D2	Syllabus is updated regulary 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%
						Ave	rage	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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	and the same of th		ALUMINI FEEDBACK FORM					
Name	of the Respondent	Branch	Batch			Scheme		
SI. No		Questions				Respons	e	***************************************
				Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Content of the curriculus	m is need based.						
2.	Core courses in the curri	culum are adequate.						
3.	Elective courses in the cu							
4.	Ample practical content	in the curriculum.						
5.	Useful curriculum for Ent	repreneurial development.				-		
6.	Effective curriculum for o	developing skilled human reso	urces.	 				
7.	Valuable curriculum for	nnovative thinking and Emplo	yability.					
8.	Curriculum helps in findir	ng the solutions for engineerin	g and societal problems.					
9.	Curriculum helps in enga technology.	ging independent and lifelong	learning in the context of evolving					
10.	Suggestion/comments:							

Figure 3.1: Shows the Feedback form

			AL	LUMINI FEEDBACK	FORM				- 7	
ame of	the Respondent	Branch		Batch				Scheme	1000	
316	stry Ashak i	Pademastale M	E		614		2010		h L	136
d. No			estions		and a distance			Bespon		
						Strongly	Agree	Neutral	Disagree	Strongly
1	Coppent of the corr	culum sineed based.				Agree	سنا		7000	Disagree
4	Core courses in the	cumicioum are adequan								and the same of th
4	Dective Oservey in t	he number one are suffic		100						477
4.	Ample practical con	tent in the carriculars.	A CONTRACT OF			اتعيظ	1.5			
5	Useful correction fo	or Entrephenesical de ve	aprosent.						-	Control of the Contro
	Ethictive corriculum	for developing skaled h	umantesmirtes	e e e						
25	Valuable controller	for innovative thinking	and Employeestry					3 4 44	Mark Control	
8.	Curriculum hesps in	finding the southers for	engineering and some	tal problems						
		enceding independent a			lveg					100
20	Suggestion/editine	its Co	ericulum Sheld	d he timis	1 13	labort	die	eta formant	0.41	

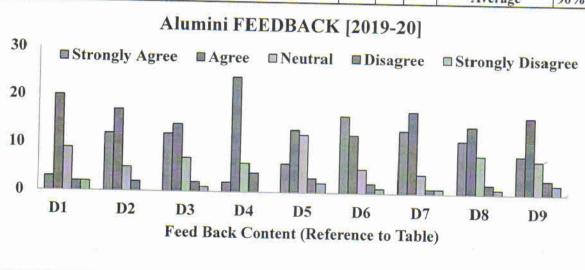
Figure 3.2: Shows the sample copy of Feedback response

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 FEEDBA	CK							
	Total: 36 Alumna are provided the feedback on cricullum						-		
Sl. No	Feedback Question	Strongly Agree	Agree	Neutral		Strongly Disagree	Total	A+B+C	D+E
DI	Content of the curriculum is need based.	A	В	C	D	E	Response	total	total
D2	Core courses in the curriculum are adequate.	3	20	9	2	2	36	89%	11%
D3	Elective courses in the curriculum are sufficient.	12	17	5	2	0	36	94%	6%
D4	Ample practical content in the curriculum.	_ 12	14	7	2	1	36	92%	8%
D5	Useful curriculum for Entrepreneurial development.	2	24	6	4	0	36	89%	11%
	Effective curriculum for developing skilled human resources.	6	13	12	3	2	36	86%	14%
D7	Valuable curriculum for innovative thinking and Employability.	16	12	-5	2	1	36	92%	8%
D8	Curriculum helps in finding the solutions for engineering and societal proble	13	17	4	I	1	36	94%	6%
art digital V	Curriculum helps in engaging in descriptions for engineering and societal proble	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%
					A	verage	e	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	ORM				
Name	of the Respondent	Organization	Designat	ion		Contact Details		
1. 2.		quality of education our graduates r cademic program.	eceived,				2,000	
SI. No		Questions				Respons	e	
				Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree
1.	Curriculum updated as pe	r the needs of the industry.						
2.	Effective ordering of the	Effective ordering of the courses in the curriculum.						
3.	Core and elective course industrial requirements.	contents in the curriculum are suffic	iently addressing the					
4.	Practical content in the ci	rriculum is adequate.						
5.	Curriculum is designed ef	fectively for Entrepreneurial develop	oment.					
6.	Designed curriculum is us	eful for developing skilled human re	sources.		***************************************			
7.	Valuable curriculum for in	novative thinking and employability	7					
8.	Knowledge on recent too	Is and theirusage are sufficiently add	fressed.					
9.	Applicability of the engine	eering knowledge to solve the proble	ems is sufficient.					
10	Suggestion/comments:		0000					

Figure 4.1: Feedback Template

		EMPLOYE	FELDBACK FORA	A .			Table 1	
Vacrue	of the Respondent	Organization	Designation		7	Contact Details		
	Lacras D. A tadernplayer, the purpose Consin your imput on the o Asses the quality of the &	unling of miss at on our graduates received, salemic program.	1⊍€				52555	semaly to
Sk. Na		Questions and the first of		Strongly	Agrot	Respons Neutral	Dinagrica	Strongy
1. 2 3. 4 5 5	Water and research to the con- Curreculum is designed offi Designed varietalum is use Valuable conficulum for its	sacres in the correction.	ssing the					Core

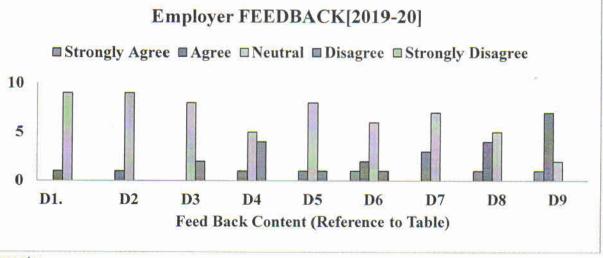
Figure 4.2: Sample copy of Feedback copy

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																		
Sl. No	Employer count: 10 Feedback Question	Strongly Agree A	Agree B	Neutral C	Disagree D	Strongly Disagree E	Total Response	A+B+C/ total	D+E/ total										
										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 theirusage are sufficiently addressed.	1	4	5	0	0	10	100%	0%										
D9	Applicability of the engineering knowledge to solve the problems is sufficient.	I	7	2	0	0	10	100%	0%										
						Avei	rage	91%	9%										



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
- Provide the awareness about the industry needs to students

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