

# **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**

**[2018-19]**

Coordinators

**Kiran C H**

Assistant Professor

## Content

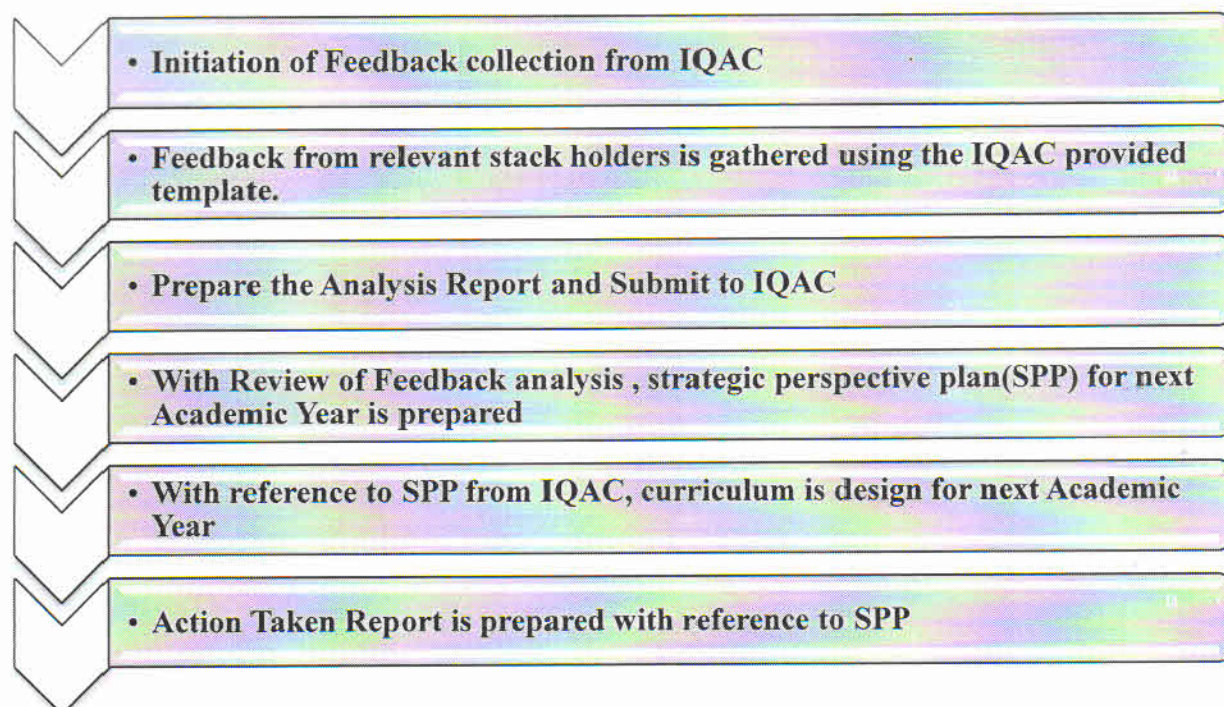
Sl no.	Content	Page no.
1	Student Feedback Form	
	1.1 Student's Feedback form on curriculum	4
	1.2 Feedback Analysis Report	5
2	Faculty Feedback Form	
	2.1 Faculty Feedback form on Curriculum	6
	2.2 Feedback Analysis Report	7
3	Alumni Feedback Form	
	3.1 Alumni Feedback Form on Curriculum	8
	3.2 Feedback Analysis Report	9
4	Employer Feedback Form	
	4.1 Employer Feedback form on Curriculum	10
	4.2 Feedback Analysis Report	11



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



#### ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY

Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK  
Ph: 09845050268, 08258-262724. Email: principal.alet08@gmail.com  
Web-site: www.alet.org.in

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

STUDENTS FEEDBACK FORM						
Name of the Student	USN	Branch	Academic Year			
Bhargava Kumar, R.V.	4ALISM026	M.E	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: Need aptitude classes which help in placement					

Figure 1.2 : Shows the sample copy of Feedback response

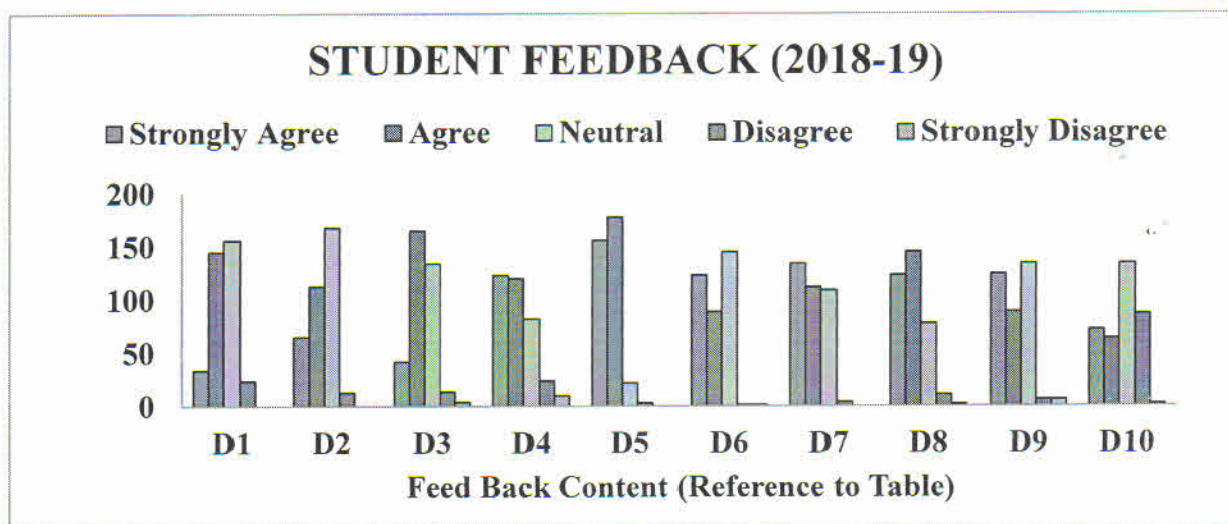


## 1.2 Feedback Analysis report

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 359 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.

94.1 percent of students judged the curriculum to be very helpful in improving teamwork, developing analytical abilities, and encouraging constructive learning, while 5.9 percent of students anticipate curriculum improvement and speedy resolution..

STUDENT FEEDBACK [2018-19]									
97% 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.	34	145	156	24	0	359	93.3%	6.7%
D2	Syllabus is updated based on the need and is career oriented.	65	113	168	13	0	359	96.4%	3.6%
D3	Aims and objectives of the syllabus are well defined and	42	165	134	14	4	359	95.0%	5.0%
D4	Course content is followed by corresponding reference materials.	123	120	82	24	10	359	90.5%	9.5%
D5	Sufficient number of prescribed books is available in the Library.	156	178	22	3	0	359	99.2%	0.8%
D6	The syllabus has good balance between theory and application.	123	89	145	1	1	359	99.4%	0.6%
D7	The course increased knowledge and prespective in the subject area.	134	112	109	4	0	359	98.9%	1.1%
D8	The curriculum ensures student participation in learning process.	123	145	78	11	2	359	96.4%	3.6%
D9	The curriculum creates social awareness among the students.	124	89	134	6	6	359	96.7%	3.3%
D10	The curriculum is sufficient to cover the program /course outcomes.	72	64	134	87	2	359	75.2%	24.8%
Average percentage								94.1%	5.9%



### Comments:


- We need industrial level hands on training, like CATIA, CNC..etc
- Pre-placement training is require with hands on training
- Need workshop on latest technology related to real world
- 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



**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

---


**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**



**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK  
Karnataka State - INDIA - 574225  
Ph: 09845050268, 08258-262724. Email: principalaiet08@gmail.com  
Web-site: www.aiet.org.in

---

**FACULTY FEEDBACK FORM**

Name of the Faculty	Branch	Designation	Academic Year
Sadarshiv Bellabhi	Mechanical Engineering	Assistant Professor	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: Practical oriented knowledge to be given to students.					

Faculty Sign: *Sadarshiv Bellabhi*

**Figure 2.2 : Shows the sample copy of Feedback response**

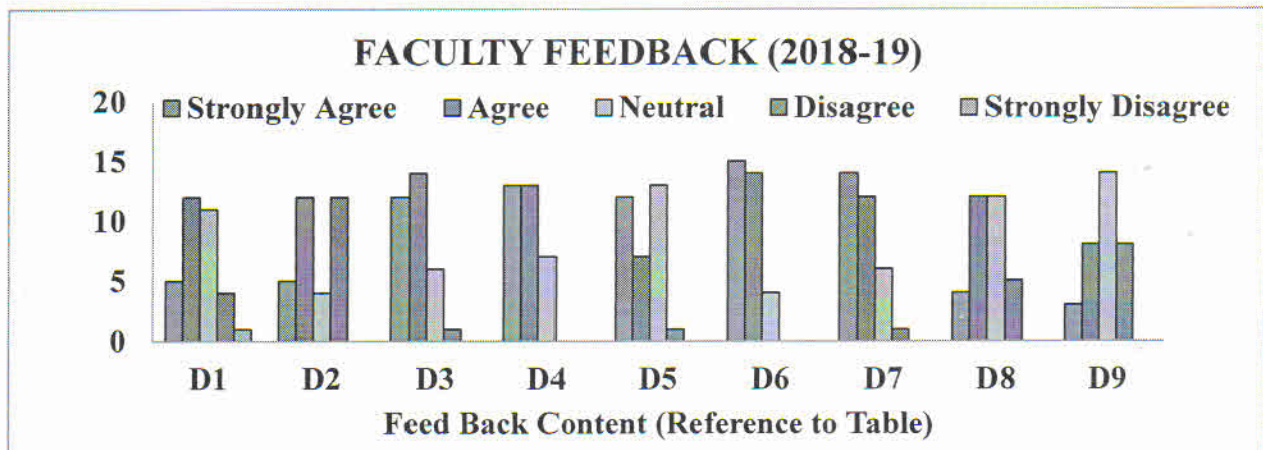


## 2.1 Feedback Analysis Report

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 33 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.

89 % faculties found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 11 % faculties are expecting improvement in curriculum and resolving it timely

FACULTY FEEDBACK [2018-19]									
Total Faculty : 33								Positive	Negative
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.	5	12	11	4	1	33	85%	15%
D2	Syllabus is updated regularly as per the industry needs.	5	12	4	12	0	33	64%	36%
D3	Course objectives and outcomes are clearly defined.	12	14	6	1	0	33	97%	3%
D4	Course content is followed by sufficient reference materials.	13	13	7	0	0	33	100%	0%
D5	The course has a good balance between theory and applications.	12	7	13	1	0	33	97%	3%
D6	Teacher has the freedom to adopt new techniques/strategies in teaching.	15	14	4	0	0	33	100%	0%
D7	The curriculum ensures student participation in learning process.	14	12	6	1	0	33	97%	3%
D8	The curriculum creates social awareness among the students.	4	12	12	5	0	33	85%	15%
D9	The curriculum is sufficient to cover the program /course outcomes.	3	8	14	8	0	33	76%	24%
Average								89%	11%



### Comments


- Curriculum should meet industrial requirements
- Remove outdated subjects from the curriculum, and add subjects like Robotics, HAVC, Refrigeration ...etc
- Increase contact hours of add courses like CNC, Catia, Ansys..etc
- 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

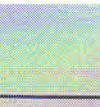
#### 3.1 Alumni Feedback form on curriculum



**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

ALUMINI FEEDBACK FORM					
Name of the Respondent		Branch	Batch	Scheme	
Sl. No	Questions	Strongly Agree	Agree	Neutral	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**



**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
 Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK  
 Karnataka State - INDIA - 574225  
 Ph: 09845050268, 08258-262724. Email: principalaiet08@gmail.com  
 Web-site: www.aiet.org.in

ALUMINI FEEDBACK FORM					
Name of the Respondent:		Branch	Batch:	Scheme	
Vijayendra		ME	2015	2015	
Sl. No	Questions	Completely Agree	Agree	Neutral	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:				
Students must expose to work environment at early stage.					

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

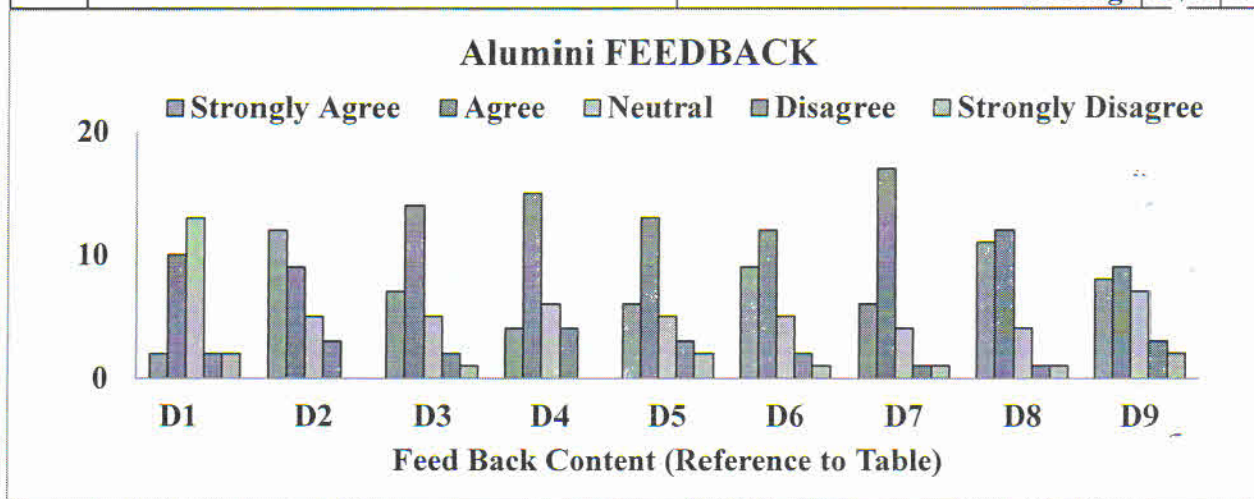


### 3.2 Feedback Analysis report

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

Alumna FEEDBACK [2018-19]									
Total : 29 Alumna are provided the feedback on criculum								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	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%



#### Comments

- Students must expose to work environment at Industry
- 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.
- More stress can be provided on software's training or knowledge (ex AUTOCad, PSCAD, ETAP etc)



## 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

**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK  
Ph: 09845050268, 08258-262724. Email: principal@alva.org.in  
Web-site: www.alva.org.in

**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

**ALVA'S INSTITUTE OF ENGINEERING & TECHNOLOGY**  
Shobhavana Campus, Mijar, Moodbidri, Mangalore, DK  
Karnataka State - ITI/DAE - 574223  
Ph: 09845050268, 08258-262724. Email: principal@alva.org.in  
Web-site: www.alva.org.in

**EMPLOYER FEEDBACK FORM**

Name of the Respondent: T. H. M. S. R. Organization: Karnataka State - ITI/DAE - 574223 Designation: HR Contact Details: T. H. M. S. R. 9342852611

Respected Employer, the purpose of this survey 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				
		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.	Suggestion/Comments: <u>Improve Communication Skills and Fundamentals</u>					

*[Signature]*

Figure 4.2: Sample copy of Feedback copy

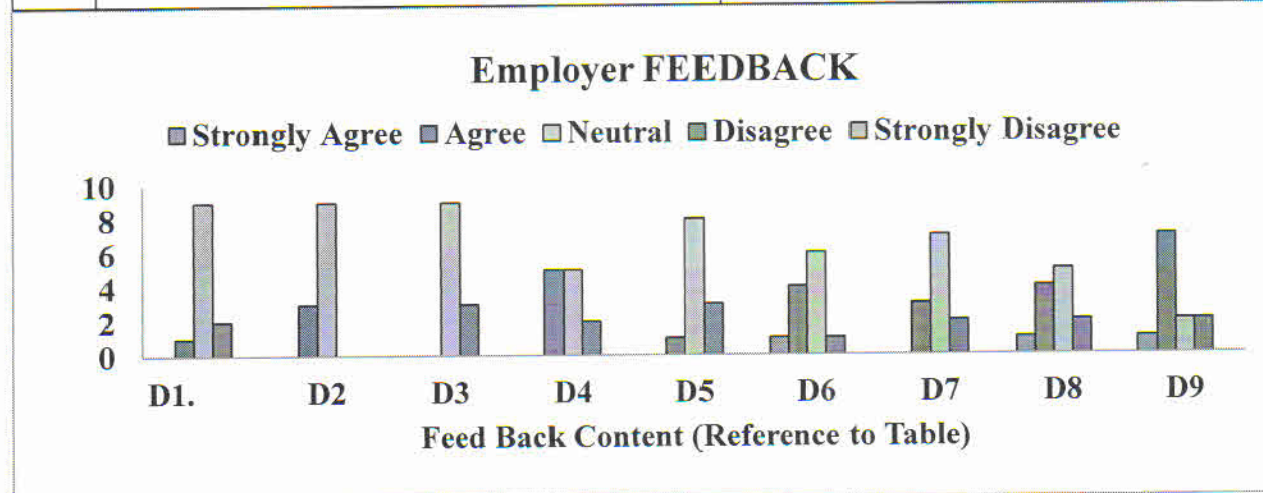


## 4.2 Feedback Analysis Report

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]									
Employer 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 their usage 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%



### 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





# ALVAS INSTITUTE OF ENGINEERING AND TECHNOLOGY

Shobhavana Campus, Mijar

## DEPARTMENT OF MECHANICAL ENGINEERING

### Action Taken Report for AY 2019-20

Date: 24 Aug 2019

The Department of Mechanical Engineering values the comments made during AY 2018-19 by faculty members, students, Alumni and employers to improve the curriculum of AY 2019-20 and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures done in this regard are listed in the table below

Key Feedback Response	Action taken (WRT: IQAC SPP for AY 2019-20)
Need workshop on latest technology related to real world	Workshop on <ul style="list-style-type: none"><li>Electrical Vehicle Technology and Engine Electronics</li><li>Advance Ceramics for Engineering applications</li></ul>
Add aptitude classes for the students apart from curriculum	Face Aptitude training and test Basic Fundamental Brush up and Online test
Students must expose to work environment at Industry	Industrial Visit to <ul style="list-style-type: none"><li>Lamina Foundry, NITTE</li><li>Harita Fehrer , Mysore</li><li>TVS Motor company , Mysore</li></ul>

HOD

Dr Satyanarayan

Asst. Prof. Of Mechanical Engineering  
Alva's Institute of Engg. & Technology  
Mijar, MOODBIDRI - 574 225