

# **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**

**[2016-17]**

**Coordinators**

**Kiran C H**

**Assistant Professor**

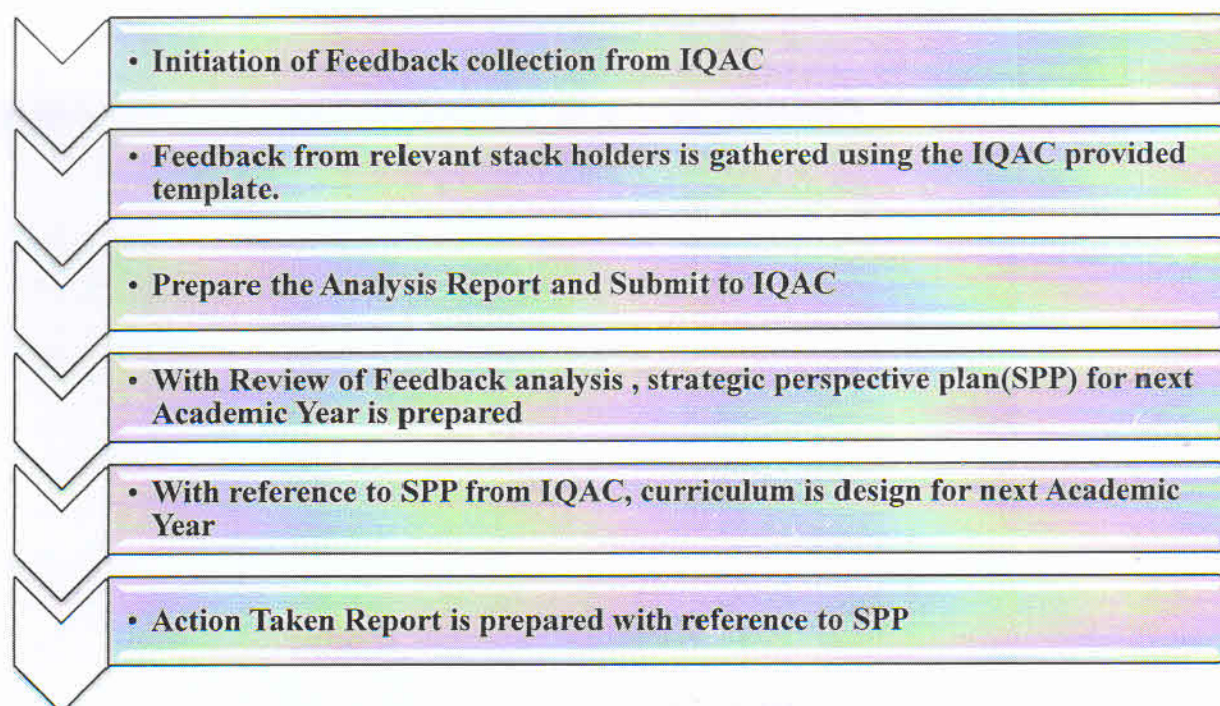
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Quality vs. quantity has long been a debate topic. Students, as crucial stakeholders, are concerned about the predicted consequences. As the technical education scenario shifts from an output-based to an outcome-based one, quality in such procedures 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



#### Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

#### STUDENTS' FEEDBACK ON THE CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum provided for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies/institution.

Name:	USN:
Department:	Academic Year:

#### Directions:

For each item please indicate your level of satisfaction with the following statement by choosing a score between 1 and 5.

(1 - Excellent, 2 - Very Good, 3 - Good, 4 - Average, 5 - Below Average)

S.NO	STATEMENT	1	2	3	4	5
1.	Suitability of present curriculum towards program.					
2.	Relevance of courses taught in terms of futuristic technologies.					
3.	Technical and soft skills acquired for multidisciplinary real life situations					
4.	The syllabus as good connections between theory and practical					
5.	Courses focus on increasing the Knowledge in subject area					
6.	The curriculum ensures that students participate in the educational process.					
7.	Outcome based Education & lifelong learning					
8.	Aptness of examination pattern and evaluation scheme					

#### Any other comments

Signature

Figure 1.1: Student Feedback Form



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### STUDENTS' FEEDBACK ON THE CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum provided for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies/institution.

Name: <u>Vijaylakshmi P Shivnagatti</u>	USN: <u>HAL16MF092</u>
Department: <u>Mechanical Engineering</u>	Academic Year: <u>2016-17</u>

#### Directions:

For each item please indicate your level of satisfaction with the following statement by choosing a score between 1 and 5.

(1 - Excellent, 2 - Very Good, 3 - Good, 4 - Average, 5 - Below Average)

S.NO	STATEMENT	1	2	3	4	5
1.	Suitability of present curriculum towards program.			✓		
2.	Relevance of courses taught in terms of futuristic technologies.				✓	
3.	Technical and soft skills acquired for multidisciplinary real life situations.					✓
4.	The syllabus as good connections between theory and practical.				✓	
5.	Courses focus on increasing the Knowledge in subject area.				✓	
6.	The curriculum ensures that students participate in the educational process.			✓		
7.	Outcome based Education & lifelong learning.				✓	
8.	Aptness of examination pattern and evaluation scheme.			✓		

#### Any other comments

The curriculum must- comprise of industrial applications.  
The syllabus has to be changed with respect to the industrial requirement.

Vijay  
Signature

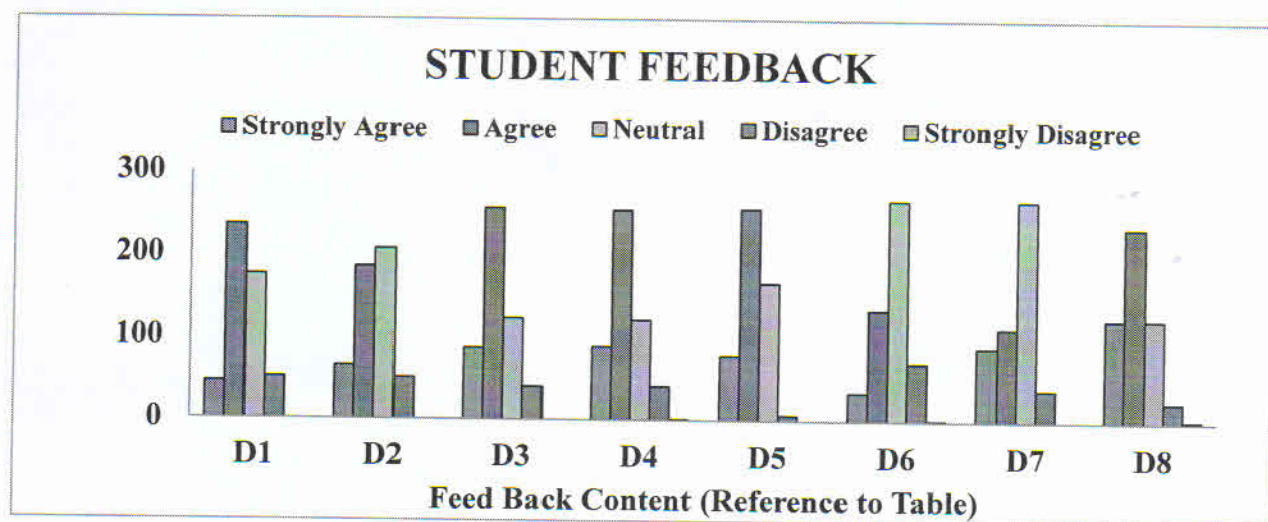
Figure 1.2 : Shows the sample copy of Feedback response

## 1.2 Feedback Analysis report

An attempt was made to solicit opinions from all college students during AY 2016-17. A feedback form had been produced for this purpose, and comments from the students had been solicited. A total of 506 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 percent of students judged the curriculum to be very helpful in improving teamwork, developing analytical abilities, and encouraging constructive learning, while 8 percent of students anticipate curriculum improvement and speedy resolution..

STUDENT FEEDBACK									
Sl. No	93.9% of total student are provided feedback								
	Feedback Question	Strongly Agree	Agree	Neutral	Disagree	Strongly Disagree	Total	A+B+C/ total	D+E/ total
		A	B	C	D	E			
D1	Suitability of present curriculum towards program.	45	235	175	51	0	506	89.9%	10.1%
D2	Relevance of courses taught in terms of futuristic technologies.	65	185	206	50	0	506	90.1%	9.9%
D3	Technical and soft skills acquired for multidisciplinary real life situations	87	256	123	40	0	506	92.1%	7.9%
D4	The syllabus as good connections between theory and practical	89	254	121	41	1	506	91.7%	8.3%
D5	Courses focus on increasing the Knowledge in subject a	78	256	166	6	0	506	98.8%	1.2%
D6	The curriculum ensures that students participate in the educational process	34	134	267	70	1	506	86.0%	14.0%
D7	Outcome based Education & lifelong learning	89	112	267	38	0	506	92.5%	7.5%
D8	Aptness of examination pattern and evaluation scheme	123	234	123	24	2	506	94.9%	5.1%
		Average						92.0%	8.0%



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



**Alva's Institute of Engineering & Technology**

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

#### FACULTY FEEDBACK ON THE CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum provided for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies/institution.

Name:	Designation:
Department:	Academic Year:

#### Directions:

For each item please indicate your level of satisfaction with the following statement by choosing a score between 1 and 5.

(1 - Excellent, 2 - Very Good, 3 - Good, 4 - Average, 5 - Below Average)

S.NO	STATEMENT	1	2	3	4	5
1.	Suitability of present curriculum towards program.					
2.	Relevance of courses taught in terms of futuristic technologies.					
3.	Technical and soft skills acquired for multidisciplinary real life situations					
4.	The syllabus as good connections between theory and practical					
5.	Courses focus on increasing the Knowledge in subject area					
6.	The curriculum ensures that students participate in the educational process.					
7.	Outcome based Education & lifelong learning					
8.	Aptness of examination pattern and evaluation scheme					
9.	Freedom to opt new techniques/ strategies in teaching					

#### Any other comments

Signature

**Figure 2.1 : Shows the Faculty Feedback Form**



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Phone: 08258-262725, Fax: 08258-262726

### FACULTY FEEDBACK ON THE CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum provided for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies/institution.

Name: Dr. Salyanarayan	Designation: Sr. Associate Prof. & Head
Department: Mechanical Engg	Academic Year: 2016-17

#### Directions:

For each item please indicate your level of satisfaction with the following statement by choosing a score between 1 and 5.

(1 - Excellent, 2 - Very Good, 3 - Good, 4 - Average, 5 - Below Average)

S.NO	STATEMENT	1	2	3	4	5
1.	Suitability of present curriculum towards program.			✓		
2.	Relevance of courses taught in terms of futuristic technologies.			✓		
3.	Technical and soft skills acquired for multidisciplinary real life situations			✓		
4.	The syllabus as good connections between theory and practical			✓		
5.	Courses focus on increasing the Knowledge in subject area				✓	
6.	The curriculum ensures that students participate in the educational process.			✓		
7.	Outcome based Education & lifelong learning			✓		
8.	Aptness of examination pattern and evaluation scheme				✓	
9.	Freedom to opt new techniques/strategies in teaching			✓		

#### Any other comments

P. Curriculum should meet industrial requirements.

Signature

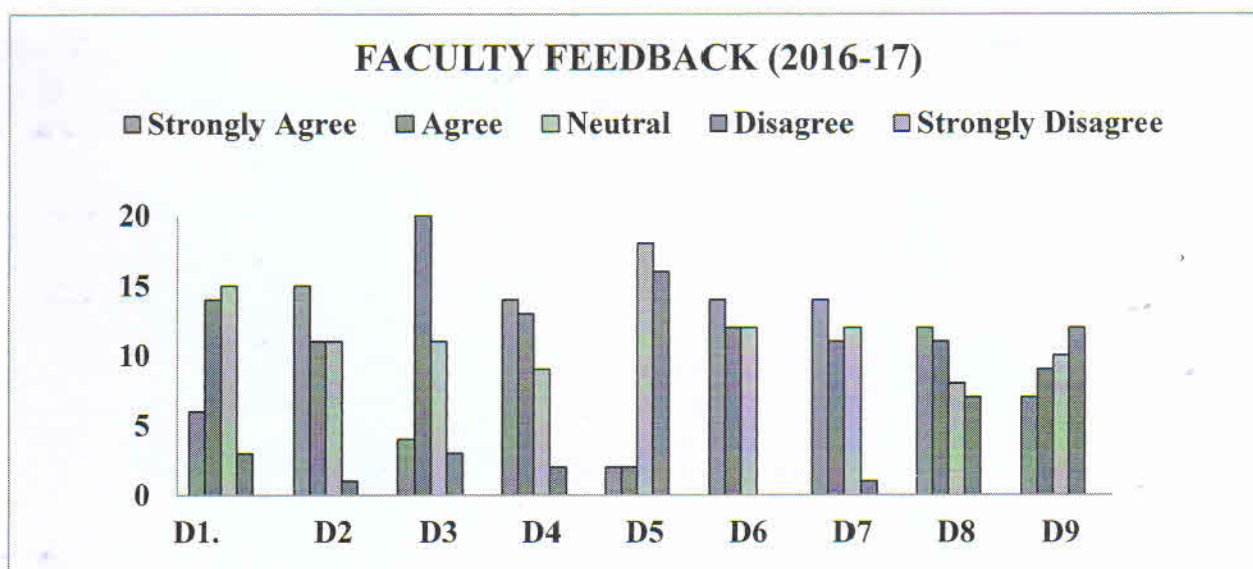
Figure 2.2 : Shows the sample copy of Feedback response

## 2.1 Feedback Analysis Report

An effort was made to receive feedback from all department faculties of the college during AY 2016-17. For this purpose, feedback form had been prepared and taken feedback. As many as 38 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.

87 % faculties found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 13 % faculties are expecting improvement in curriculum and resolving it timely

FACULTY FEEDBACK Matrix 2016-17									
Total Faculty : 38									
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.	Suitability of present curriculum towards program.	6	14	15	3	0	38	92%	8%
D2	Relevance of courses taught in terms of futuristic technologies.	15	11	11	1	0	38	97%	3%
D3	Technical and soft skills acquired for multidisciplinary real life situations	4	20	11	3	0	38	92%	8%
D4	The syllabus as good connections between theory and practical	14	13	9	2	0	38	95%	5%
D5	Courses focus on increasing the Knowledge in subject area	2	2	18	16	0	38	56%	42%
D6	The curriculum ensures that students participate in the educational process	14	12	12	0	0	38	100%	0%
D7	Outcome based Education & lifelong learning	14	11	12	1	0	38	97%	3%
D8	Aptness of examination pattern and evaluation scheme	12	11	8	7	0	38	82%	18%
D9	Freedom to opt new techniques/strategies in teaching	7	9	10	12	0	38	68%	32%
							<b>Average</b>	<b>87%</b>	<b>13%</b>



### 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, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

#### ALUMNI FEEDBACK ON THE CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum provided for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies/institution.

Name:	Branch:
Batch:	Scheme:

#### Directions:

For each item please indicate your level of satisfaction with the following statement by choosing a score between 1 and 5.

(1 - Excellent, 2 - Very Good, 3 - Good, 4 - Average, 5 - Below Average)

S.NO	STATEMENT	1	2	3	4	5
1.	Suitability of present curriculum towards program.					
2.	Relevance of courses taught in terms of futuristic technologies.					
3.	Technical and soft skills acquired for multidisciplinary real life situations					
4.	The syllabus as good connections between theory and practical					
5.	Courses focus on increasing the Knowledge in subject area					
6.	The curriculum ensures that students participate in the educational process.					
7.	Outcome based Education & lifelong learning					
8.	Aptness of examination pattern and evaluation scheme					
9.	Competence in critical thinking, problem Solving and creativity acquired through curriculum					
10.	Effective curriculum for developing skilled human resources					

#### Any other comments

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Signature

Figure 3.1 : Shows the Feedback form



### Alva's Institute of Engineering & Technology

Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

#### ALUMNI FEEDBACK ON THE CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum provided for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies/institution.

Name: <u>SURGEHART, D</u>	Branch: <u>4AL11ME029</u>
Batch: <u>2011-12</u>	Scheme: <u>2010</u>

#### Directions:

For each item please indicate your level of satisfaction with the following statement by choosing a score between 1 and 5.

(1 - Excellent, 2 - Very Good, 3 - Good, 4 - Average, 5 - Below Average)

S.NO	STATEMENT	1	2	3	4	5
1.	Suitability of present curriculum towards program		✓			
2.	Relevance of courses taught in terms of futuristic technologies		✓			
3.	Technical and soft skills acquired for multidisciplinary real life situations				✓	
4.	The syllabus as good connections between theory and practical			✓		
5.	Courses focus on increasing the Knowledge in subject area	✓				
6.	The curriculum ensures that students participate in the educational process.			✓		
7.	Outcome based Education & lifelong learning		✓			
8.	Aptness of examination pattern and evaluation scheme			✓		
9.	Competence in critical thinking, problem Solving and creativity acquired through curriculum			✓		
10.	Effective curriculum for developing skilled human resources			✓		

#### Any other comments

The curriculum & the syllabus need to accompanie with current technology.


  
Signature

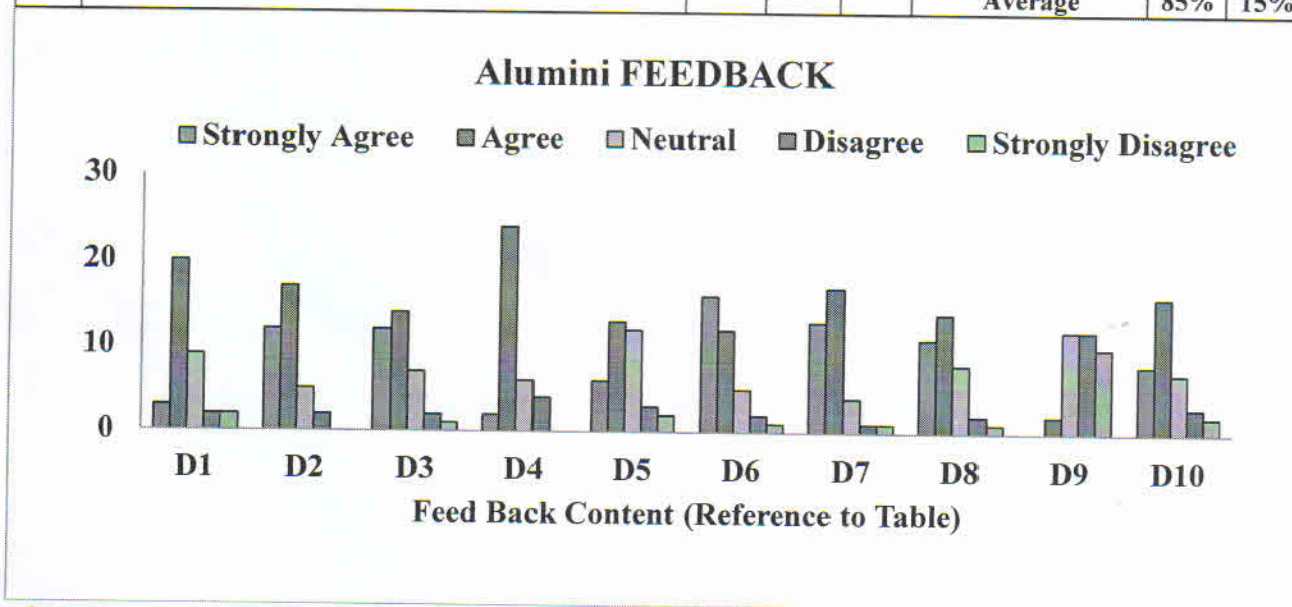
Figure 3.2: Shows the sample copy of Feedback response

### 3.2 Feedback Analysis report

An effort was made to receive feedback from alumni's, those who visit the college during 2016-17 academic year. 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.

85 % students found curriculum to be very effective in enhancing team work, developing analytical skills and constructive learning and 15 % 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	A+B+C/ total	D+E/ total
		A	B	C	D	E			
D1	Suitability of present curriculum towards program.	3	20	9	2	2	36	89%	11%
D2	Relevance of courses taught in terms of futuristic technologies.	12	17	5	2	0	36	94%	6%
D3	Technical and soft skills acquired for multidisciplinary real life	12	14	7	2	1	36	92%	8%
D4	The syllabus as good connections between theory and practical	2	24	6	4	0	36	89%	11%
D5	Courses focus on increasing the Knowledge in subject area	6	13	12	3	2	36	86%	14%
D6	The curriculum ensures that students participate in the educational	16	12	5	2	1	36	92%	8%
D7	Outcome based Education & lifelong learning	13	17	4	1	1	36	94%	6%
D8	Aptness of examination pattern and evaluation scheme	11	14	8	2	1	36	92%	8%
D9	Competence in critical thinking, problem Solving and creativity acquired through curriculum	0	2	12	12	10	36	39%	61%
D10	Effective curriculum for developing skilled human resources	8	16	7	3	2	36	86%	14%
					Average			85%	15%




#### 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.
- 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



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 Shobhavana Campus, Mijar, Moodbidri, D.K - 574225  
 Phone: 08258-262725, Fax: 08258-262726

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**EMPLOYER FEEDBACK ON THE CURRICULUM**

This questionnaire is to collect information relating to your satisfaction towards curriculum provided for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies/institution.

Name:	Designation:
Organization:	Contact Number:

**Directions:**  
 For each item please indicate your level of satisfaction with the following statement by choosing a score between 1 and 5.  
 (1 – Excellent, 2 – Very Good, 3 – Good, 4 – Average, 5 – Below Average)

S.NO	STATEMENT	1	2	3	4	5
1.	Aptness of university curriculum for the present jobs					
2.	Relevance of courses taught in terms of futuristic technologies					
3.	Technical and soft skills acquired for multi-disciplinary real life situations					
4.	Aptness of training/projects undertaken					
5.	Competence in critical thinking, problem solving and creativity acquired through curriculum					
6.	Slip of industry component/interaction in curriculum					
7.	The curriculum ensures professional ethics and attitude					
8.	The curriculum promotes leadership qualities					

**Any other comments**

**Signature**

Figure 4.1: Feedback Template



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Shobhavana Campus, Mijar, Moodbidri, D.K - 574225

Phone: 08258-262725, Fax: 08258-262726

## EMPLOYER FEEDBACK ON THE CURRICULUM

This questionnaire is to collect information relating to your satisfaction towards curriculum provided for creating conducive atmosphere for teaching and learning. The information provided by you will be kept confidential and will be used as important feedback for quality improvement of the programme of studies/institution.

Name: *Satish* Designation: *HR Manager*  
Organization: *Harita Februx* Contact Number: *944225142*

### Directions:

For each item please indicate your level of satisfaction with the following statement by choosing a score between 1 and 5.

(1 - Excellent, 2 - Very Good, 3 - Good, 4 - Average, 5 - Below Average)

S.NO	STATEMENT	1	2	3	4	5
1.	Apptness of university curriculum for the present jobs		✓			
2.	Relevance of courses taught in terms of latest technologies			✓		
3.	Technical and soft skills acquired for multi disciplinary real life situations			✓		
4.	Apptness of training/projects undertaken			✓		
5.	Competence in critical thinking, problem solving and creativity acquired through curriculum			✓		
6.	Slise of industry component/interaction in curriculum		✓			
7.	The curriculum ensures professional ethics and attitude		✓			
8.	The curriculum promotes leadership qualities		✓			

### Any other comments

*Inclination of the Curriculum to adopt New methods and Technology*

*[Signature]*  
Signature

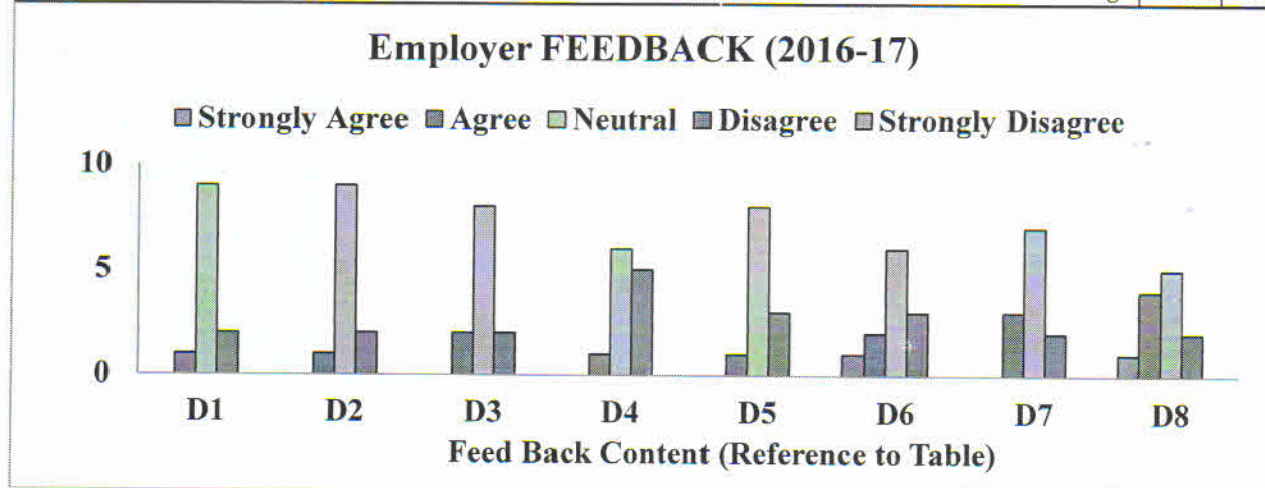
Figure 4.2: Sample copy of Feedback copy

## 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 visited during 2016-17 academic year. 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

78 % 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. 22% employers denied and suggested to improve the curriculum as per the industrial standards.

Employer FEEDBACK Matrix [2016-2017]									
	Employer count: 12								
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	Aptness of university curriculum for the present jobs	0	1	9	2	0	12	83%	17%
D2	Relevance of courses taught in terms of futuristic technologies.	0	1	9	2	0	12	83%	17%
D3	Technical and soft skills acquired for multidisciplinary real life	0	2	8	2	0	12	83%	17%
D4	Aptness of training/projects undertaken	0	1	6	5	0	12	58%	42%
D5	Competence in critical thinking, problem solving and creativity acquire	0	1	8	3	0	12	75%	25%
D6	Slice of industry component/interaction in curriculum	1	2	6	3	0	12	75%	25%
D7	The curriculum ensures professional ethics and attitude	0	3	7	2	0	12	83%	17%
D8	The curriculum promotes leadership qualities	1	4	5	2	0	12	83%	17%
Average								78%	22%



### 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