

**VIDYA ACADEMY OF SCIENCE & TECHNOLOGY TECHNICAL CAMPUS  
KILIMANOOR, THIRUVANANTHAPURAM  
Accredited by NAAC with B++ Grade  
“A Unit of Vidya International Charitable Trust”**

**1.4.2 ANALYSIS OF FEEDBACK REPORT**

For the better evaluation of the curriculum various stakeholders were identified initially and their valuable suggestions were collected using a feedback form which is depicted in Criteria 1.4.1.

We obtain the feedback from the stakeholders through the following:

1. Students Survey
2. Faculty Members Survey
3. Alumni Survey
4. Employer Survey

The questionnaire is provided to different stakeholders and the analysis is carried out to identify the lack in the curriculum. Along with the faculty members, the college have collected the feedback from the students, the alumni and the employers during the academic year 2021-2022, the alumni and the employers for a better evaluation of the curriculum.

For the better evaluation of the curriculum various stakeholders were identified initially and their valuable suggestions were collected using a feedback form which is depicted in Criteria 1.4.1. The curriculum was evaluated based on 10 questions and the response were analysed by a 5-point scale.

**Student Feedback Analysis**

As part of the evaluation of the curriculum, our institution has undergone a student feedback collection as depicted in Criteria 1.4.1. The institution has collected 112 responses from five branches and the response details of the student as stakeholders is given in the tabular form below.

Sl.No.	Stakeholders	Branch	No of Feedback Responses Collected
1.	Students	CE	24
		ECE	52
		EEE	34
		ME	1
		CS	1

  
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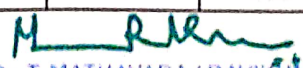
Based on the feedback given by the students, the analysis was carried out for each question and the same is compared for different branches.

Sl. No.	Questions	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	The contents of the course are in conformity with the learning outcomes and maintaining global standard.	0	0.9	23.2	59.8	16.1
2	The curriculum is balanced with regard to the theoretical and practical knowledge	0.9	2.7	21.4	53.6	21.4
3	The curriculum is equipped to find the solutions of Engineering problems.	1.8	1.8	22.3	58	16.1
4	The curriculum provides opportunity for conducting research and project related activities	0.9	5.4	21.4	46.4	25.9
5	The contents of the curriculum are in tune with the competitive examinations.	0	0	25.9	58	16.1
6	The curriculum needs to include skill based content in current syllabus.	0.9	1.8	18.8	40.2	38.4
7	The effectiveness of curriculum for development of entrepreneurship.	2.7	0	34.8	44.6	17.9
8	The curriculum offers industry specific courses.	0	2.7	32.1	50	15.2
9	The curriculum is competent to support higher learning.	0	0	17.9	60.7	21.4
10	The curriculum is reviewed and upgraded for making it socially relevant and/ or job oriented/ knowledge intensive and meeting the needs of technology.	2.7	0	17.9	54.5	17.9

The department wise analysis for each question is as follows:

#### Question 1

Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	0	0	16.7	70.8	12.5
2	ECE	0	0	16.7	55.6	22.2
3	EEE	0	3	33.3	50	10
4	ME	0	0	100	0	0
5	CS	0	0	0	100	0

  
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### Question 2

Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	0	8.3	16.7	58.3	16.7
2	ECE	1.9	0	18.5	44.4	29.6
3	EEE	0	3.3	30	56.7	6.7
4	ME	100	0	0	0	0
5	CS	100	0	0	0	0

### Question 3

Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	0	0	33.3	45.8	20.8
2	ECE	0	3.7	18.5	53.7	18.5
3	EEE	6.7	0	23.3	60	6.7
4	ME	0	0	0	0	100
5	CS	0	0	0	100	0

### Question 4


Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	0	4.2	8.3	54.2	33.3
2	ECE	35.2	37	14.8	7.4	0
3	EEE	3.3	3.3	43.3	43.3	6.7
4	ME	0	0	100	0	0
5	CS	0	0	0	100	0

### Question 5

Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	0	0	8.3	66.7	25
2	ECE	0	0	24.1	51.9	16.7
3	EEE	0	0	46.7	43.3	6.7
4	ME	0	0	0	100	0
5	CS	0	0	0	0	100

### Question 6

Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	0	0	33.3	37.5	29.2
2	ECE	0	1.9	13	35.2	46.3



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3	EEE	0	0	46.78	43.3	6.7
4	ME	0	0	0	0	100
5	CS	0	0	0	0	100

#### Question 7

Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	4.2	0	37.5	37.5	20.8
2	ECE	0	0	33.3	42.6	24.1
3	EEE	6.7	0	36.7	50.3	3.3
4	ME	0	0	0	0	100
5	CS	0	0	0	100	0

#### Question 8

Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	0	4.2	41.7	41.7	12.5
2	ECE	0	1.9	20.4	44.4	24.1
3	EEE	0	3.3	46.7	43.3	3.3
4	ME	0	0	0	100	0
5	CS	0	0	0	100	0

#### Question 9

Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	0	0	16.7	62.5	20.8
2	ECE	0	0	11.1	51.9	31.5
3	EEE	0	0	33.3	60	3.3
4	ME	0	0	0	100	0
5	CS	0	0	0	100	0

#### Question 10

Sl. No.	Branch	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	CE	0	0	16.7	66.7	16.7
2	ECE	3.7	0	14.8	51.9	25.9
3	EEE	3.3	0	14.7	43.3	3.3
4	ME	0	0	0	100	0
5	CS	0	0	0	0	100



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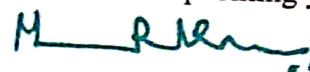
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### Observations and Comments from Students Feedback

- The students of the institution are satisfied with the contents included in the curriculum and they are confident that the same is maintaining a global standard.
- The students of the institution are satisfied with the curriculum in maintaining a connection between the theoretical and practical knowledge. Since the university is offering provisions for undergoing internship in reputed companies, the students can be able to connect the theoretical and practical knowledge.
- The university have introduced Design based courses for making the students equip the ability to frame a route map to solutions of basic engineering problems. The students are satisfied in the present curriculum since the students are able to develop skills in solving engineering problems.
- The students of the institution are satisfied in the present curriculum standards put forwarded by the university in giving ample opportunities to undergo research activities. The institution has got infrastructure for undergoing project activities which will improve the research mentality of the student.
- The students of the institution are highly satisfied in the curriculum put forwarded by the university in making the students well equipped in facing competitive examination. The curriculum is framed in such a manner that the students will get the benefit of attending competitive exams.
- The students of the institution satisfied in the initiatives taken for the skill based content in current syllabus. The institution has offered various add on courses for improving the skills of the students which may give more chances to employability. So the students get better job on the completion of the course.
- The students of the institution are highly satisfied in the initiatives taken for the development of entrepreneurship. The curriculum has given guidelines to initiate various clubs within the institution which will improve the skills of the student.
- The students of the institution are not much satisfied in the initiatives taken for the industry specific courses. So the institution is offering provisions for various add on courses for the students.
- From the student's point of view, the curriculum offers the students the adequate confidence to undergo higher studies.
- The students of the institution are highly satisfied with the initiatives by the university in carrying out periodic revisions which will be highly useful for the upcoming years



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## Conclusion

From the feedback collected from the students, it is evident that the students are satisfied with the curriculum put forwarded by the university. The students who have undergone this curriculum are confident that they have developed adequate skills which will help them in building themselves in this competitive society. The students demanded the requirement of industry specific courses for their skill improvement.

## Faculty Feedback Analysis

As part of the evaluation of the curriculum, our institution has undergone a faculty feedback collection as depicted in Criteria 1.4.1. The institution has collected 13 responses from five branches and the response details of the faculty as stakeholders is given in the tabular

Based on the feedback given by the faculties, the analysis was carried out for each question and the same is compared for different branches.

Sl. No.	Questions	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	The curriculum is framed to meet the need of students.	0	0	15.4	84.6	0
2	The contents of the course are in conformity with the learning outcomes and are meeting global standards.	0	0	15.4	76.9	7.7
3	The curriculum is apt with regard to the theoretical and practical knowledge.	0	7.7	38.5	53.8	0
4	The curriculum is focused on skill development.	0	7.7	53.8	38.5	0
5	The curriculum provides opportunity for Innovation and Research	0	15.4	46.2	38.5	0
6	The curriculum meets the needs of Industrial Expectation.	0	15.4	46.2	38.5	0
7	The contents of the curriculum are in tune with the competitive examinations.	0	7.7	23.1	61.5	7.7
8	The curriculum has the potential in developing the habit of self- learning among the students.	0	15.4	15.4	69.2	0
9	The curriculum is reviewed and upgraded for making it socially relevant and/ or job oriented/	0	0	46.2	53.8	0

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	knowledge intensive and meeting the needs of technology.					
10	Pedagogy proposed in the curriculum matches the contents.	0	0	30.8	69.2	0

### Observations and Comments from Faculty Feedback

- The faculties of the institution are satisfied in the present curriculum standards since the same is meeting the needs of the student. The students are highly benefitted by the outcomes of different courses in different branches by giving motivation in performing higher education and research activities
- From the feedbacks, it is conveyed that the faculty members are satisfied in the arrangement of the course syllabus and the outcomes which is highly helpful for meeting global standards.
- From faculty point of view, the curriculum offers opportunities for the students to fill the gap between the theoretical and practical aspects in different courses via internships in reputed companies.
- The curriculum offers the guidelines to undergo add on courses to the students of the college. The college has arranged and completed various add on course programme which have developed the skills for the budding engineers.
- From faculty point of view, the institution is equipped with research oriented laboratory facilities which is useful for the students for undergoing research projects. The institution also offers the students the opportunity to undergo live projects which will be useful for the society.
- The curriculum has introduced industrial related elective courses in various branches which may help the student in acquiring a deeper knowledge on the specific industrial activities. This will help the students in improving the student's employability skills.
- The faculties of the institution are satisfied in the present curriculum by the introduction of the comprehensive exam in the curriculum. The students are highly benefitted by the course since they will be able to undergo topic wise preparation for the competitive examination.
- The curriculum is outlined in such a manner that the students can be able to undergo self-paced leaning.
- The faculty of the institution is highly satisfied with the initiatives taken by the university in carrying out periodic revisions which will be highly useful for the upcoming years.
- The pedagogy of the courses matches the contents. So the faculty is satisfied with the way the contents are sorted out in the various courses.



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## Conclusion:

According to the faculties, the students undergoing the curriculum may acquire adequate knowledge which will provide a base for the development of student in the future. The faculties demanded the importance of including more industry specific courses in the curriculum.

## Alumni Feedback Analysis

As part of the evaluation of the curriculum, our institution has undergone a alumni feedback collection as depicted in Criteria 1.4.1. The institution has collected 100 responses from four branches and the response details of the alumni as stakeholders is given in the tabular form below. Based on the feedback given by the students, the analysis was carried out for each question and the same is compared for different branches.

Sl. No.	Questions	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	How do you rate the curriculum-based training for competitive exams?	6	1	35	35	23
2	How do you rate the curriculum effectiveness to improve innovative thinking?	7	6	30	45	12
3	At what extent curriculum is matched to current trends?	8	10	34	40	8
4	The curriculum provides opportunity for conducting research and project related activities.	6	8	33	38	15
5	How do you rate the curriculum relevant to your job and future aspirations?	11	4	39	34	12
6	Is project work/ Internships offered under your curriculum was challenging and constructive?	6	5	33	43	13
7	The effectiveness of curriculum for development of entrepreneurship.	8	15	34	36	7
8	How do you rate the role of curriculum in Industry- Academic Interactions?	10	3	40	38	9
9	Is the curriculum competent to support higher learning?	5	4	29	48	14
10	Is the curriculum relevant to bring awareness related to social, safety, health, legal and cultural issues while solving engineering problems?	6	9	26	48	11

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### Observations and Comments from Alumni Feedback

- The alumni partially agree with the effectiveness of the contents of the curriculum in boosting up confidence in the competitive exams. The comprehensive exam mentioned in the curriculum is less effective to cope with the present competitiveness.
- The present curriculum provides effective courses which will improve the innovative thinking ability of the students. The courses, Design and Engineering will make the student capability to solve Engineering problems.
- The present curriculum is providing an average idea on the basic trends in the field of various branches of engineering. So the alumni are partially supporting the curriculum on the above aspect.
- From the alumni point of view, the institution is able to provide necessary arrangement for undergoing research activities in the laboratory as mentioned in the curriculum.
- The alumni are highly satisfied by the arrangement made in the curriculum for motivating the student in going for higher studies or for jobs. The curriculum has given guidelines for carrying out add on courses or skill based courses, placement related activities, pool drives which will motivate the students for grabbing best opportunities
- The alumni are highly satisfied by the arrangements made in the curriculum to undergo internships and thereby getting the student an exposure to the practical aspects in the engineering field. This will also narrow the gap between the practical aspects and the theoretical knowledge.
- From alumni point of view, the curriculum supports the institutions to develop the idea of entrepreneurship via different courses mentioned in the curriculum
- The alumni are highly satisfied by the arrangements made in the curriculum to undergo effective programmes based on the Academic – Industry interactions. The skill development courses are arranged as per the curriculum which supports the above aspect.
- The curriculum supports the institution by giving guidelines to undergo programmes which will create awareness related to social, safety, health, legal and cultural issues while solving engineering problems

### Conclusions:

From the feedback analysis, it is noted that the alumni give a partial satisfaction to some of the criteria mentioned in the questionnaire even though the overall feedback is satisfactory. The alumni suggest the importance must be given to the development of curriculum for meeting



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competitive examination. Also the analysis demands the curriculum to give more emphasis to entrepreneurship programmes.

### Employer Feedback Analysis

As part of the evaluation of the curriculum, our institution has undergone a employer feedback collection as depicted in Criteria 1.4.1. The institution has collected 5 responses from organisations where our alumni are undergoing their job for the evaluation of the present curriculum.

Based on the feedback given by the employers, the analysis was carried out for each question and the same is compared.

Sl. No.	Questions	Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
1	How do you rate the academic initiatives taken by the college to bridge the gap between industry & academia?	0	0	40	40	20
2	How do you rate the proficiency of our students working with you?	0	0	60	20	20
3	At what extent curriculum is matched to current trends?	0	0	60	20	20
4	How do you rate the offering of the electives in relation to the technological advancements?	0	0	40	20	40
5	How do you rate the curriculum relevant to your job and future aspirations?	0	0	40	40	20
6	The curriculum promotes team work mentality	0	0	0	60	40
7	The effectiveness of curriculum for development of entrepreneurship.	0	0	40	20	40
8	How do you rate the role of curriculum in Industry- Academic Interactions?	0	0	80	0	20
9	Ability of the courses included in the curriculum to contribute to the goal of the organization.	0	20	40	20	20
10	The curriculum ensures professional ethics and attitude.	0	0	40	20	40

### Observations and Comments from Employer Feedback

- More importance should be given in arranging more institution-industry interaction programmes at curriculum basis in order to bridge the gap between industry and institution.
- The employers of the organisation are satisfied with the level of understanding the employee has acquired under this curriculum since the employee is able to understand and rectify the



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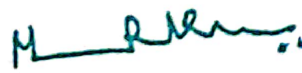
engineering based problems under his respective field which is imperative as a beginner in an organization.

- The employer supports the curriculum which is set under the university is able to update the technical innovations thereby making him update in this society.
- The employers demand the curriculum to incorporate the job oriented electives which may help the student in acquiring a broader knowledge in a specific field.
- The employers are highly satisfied with the teamwork of the employee working in his organisation. The employers are in support of the curriculum for making the young talents to work as a group and provide a better output.
- The employer demands the curriculum should be shaped in such a way that the student should be able to become a better entrepreneur after pursuing his studies.
- The employers are very much impressed by the performance of the employee working in his organisation in maintaining ethics in his working nature which is imperative in this society. The employer supports the initiative taken under the curriculum in promoting the importance of professional ethics and attitude to students.

#### Conclusion:

From the feedback analysis, it is noted that the employers give a partial satisfaction to some of the criteria mentioned in the questionnaire even though the overall feedback is satisfactory. The employer suggest the importance must be given to the development of curriculum for the development of the students as a better entrepreneur which will make the student a competitive individual.



  
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