ALVA'S INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Affiliated to VTU, Belagavi. Approved by AICTE & Recognized by Government of Karnataka)
Shobhavana Campus, Mijar - 574225, Moodabidire, Dakshina Kannada, Karnataka, India

ALVA'S

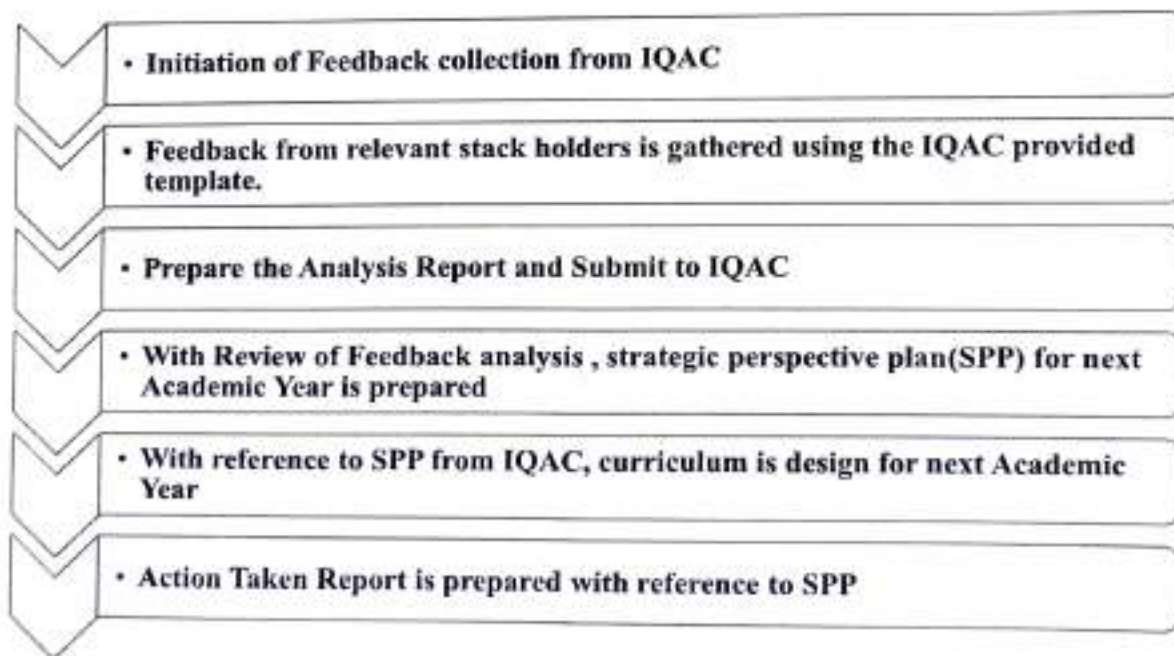# Department Of Artificial Intelligence and Machine Learning

Report on

Feedback Analysis Report on Curriculum

[2022-23]

Content

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 w.r.t curriculum. Following is the sample feedback form of students.

1.1 Student's Feedback form on curriculum

STUDENTS FEEDBACK FORM							
Name of the Student	**USN**		**Branch**		**Academic Year**		
Inorder 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							
Sl. No	**Feedback Question**	**Strongly Agree**	**Agree**	**Neutral**	**Disagree**	**Strongly Disagree**	
1.	Contents in syllabus are relevant to the						
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

Figure 1.2 : Shows the sample copy of student feedback response

1.2 Feedback Analysis report

An attempt was made to solicit opinions from all college students during AY 2022-23. A feedback form had been produced for this purpose, and comments from the students had been solicited. A total of 60 responses have been gathered from students on the Syllabus. Various industry oriented certification course and industry visit have implemented in department to satisfy the needs of students. Letter has been communicated to university requesting them to include Human values in the curriculum. Various sorts of graphs have been utilised to effectively portray the facts.

95.6% percent of students judged the curriculum to be very helpful in improving teamwork, developing analytical abilities, and encouraging constructive learning, while 4.4% of students anticipate curriculum improvement and speedy resolution..

STUDENT FEEDBACK 2022-23

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	Contents in syllabus are relevant to the course	3	3	1	1	0	8	88%	13%
D2	Syllabus is updated regularly as per the industry needs.	3	3	2	0	0	8	100%	0%
D3	Aims and objectives of the syllabus are well defined and clear.	2	3	2	1	0	8	88%	13%
D4	Course content is followed by corresponding reference materials.	3	3	2	2	0	10	80%	20%
D5	Sufficient number of prescribed books is available in the Library.	3	2	2	0	0	7	100%	0%
D6	The syllabus has good balance between theory and application	4	3	1	0	0	8	100%	0%
D7	The course increased knowledge and prespective in the subject a	3	2	2	1	0	8	88%	13%
D8	The curriculum ensures student participation in learning process.	3	2	2	2	0	9	78%	22%
D9	The curriculum creates social awareness among the students.	3	2	2	1	0	8	88%	13%
							Average	90%	10%

STUDENT FEEDBACK (2022-23)
■ Strongly Agree ■ Agree □ Neutral □ Disagree ■ Strongly Disagree

Feed Back Content (Reference to Table)
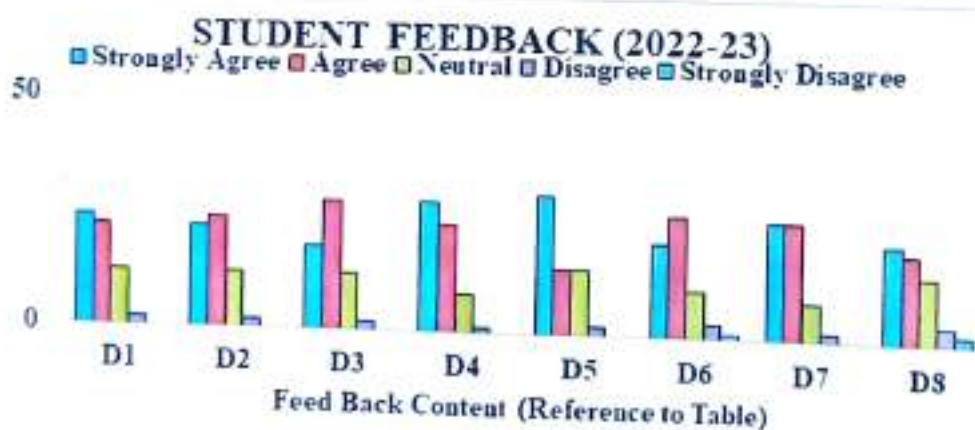
Comments :

- Industry oriented Programming Languages need to be included in 2nd year syllabus itself.
- More books in library on latest technology needs to brought.
- Human values subjects may be introduced in curriculum.
- Certification course on industry oriented tools need to be implemented.

2. Faculty Feedback form

The IQAC creates a faculty feedback form, which is distributed to all departments faculty members for response collection. Following is the faculty feedback form.

2.1 Faculty Feedback form on curriculum

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					
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

Following figure 2.2 shows the sample copy of faculty feedback collected on curriculum.

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 2022-23. For this purpose, feedback form had been prepared and taken feedback. As many as 08 responses have been collected from the faculties on curriculum. In order to arrive to comprehensive results, various social awareness programmes through NSS , Kesard Onji Dina have been done in the department. Letter has been communicated to university requesting them to include Human values in the curriculum. Making students to participate in learning process various quizzes and seminars have been implemented. 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
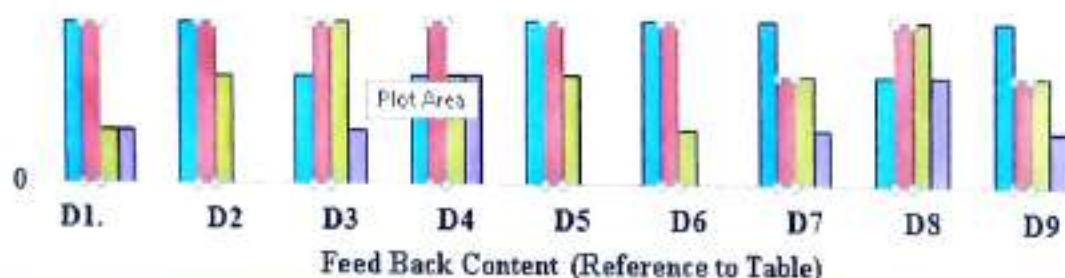
FACULTY FEEDBACK 2022-23

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	Syllabus is relevant to the course and is career oriented	3	3	1	1	0	8	88%	13%
D2	Syllabus is updated regularly as per the industry needs	3	3	2	0	0	8	100%	0%
D3	Course objectives and outcomes are clearly defined	2	2	2	1	0	7	88%	14%
D4	Course content is followed by sufficient reference materials	3	3	2	2	0	10	80%	20%
D5	The course has a good balance between theory and applications.	3	3	2	0	0	8	100%	0%
D6	Teacher has the freedom to adopt new techniques/strategies in teaching	4	3	1	0	0	8	100%	0%
D7	The curriculum ensures student participation in learning process	3	3	2	1	0	9	89%	11%
D8	The curriculum creates social awareness among the students.	3	2	2	2	0	9	78%	22%
D9	The curriculum is sufficient to cover the program /course outcome.	4	3	1	2	0	10	80%	20%
							Average	**89%**	**11%**

FACULTY FEEDBACK (2022-23)

□ Strongly Agree ■ Agree □ Neutral □ Disagree □ Strongly Disagree

Feed Back Content (Reference to Table)

Head of the Department
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Department of Artificial Intelligence and Machine Learning

Action Taken Report

Date: 11/Oct/2022

The Department of Artificial intelligence and Machine learning values the comments made by faculty members, students to improve the curriculum and make it more need-based research and job-oriented. We have addressed all of the suggestions made, and the measures have been taken in this regard to enhance the knowledge of students. Action taken is listed in the table below as shown.

Key Feedback Response	Action taken
Need certification course on latest technology related to real world with hands on session.	Planned to conduct Certification Course on "DevOps Engineer"
Micro projects to be implemented in 2nd year	All students will be doing micro projects during 2nd year
Human Values to be included in curriculum	Planned to conduct human values activities through Department Forum and NSS
Industry awareness programme	Industry visit will be implemented in department.
Placement oriented activities	Soft skill training and knowledge of industry oriented tools will be provided to students through placement department.

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