

Department of Information Technology

Action Taken Report

Academic Year – 2020-21

Curriculum development requires the input of different stakeholders such as student, alumni, faculty and employer. Feedback mechanism of Guru Nanak Institute of Technology has developed by IQAC of the Institute. Accordingly, department wise feedback on curriculum development were collected from all stakeholders like student, alumni, faculty and employer. Based on those feedback's actions are taken department wise. In the following section department, wise action taken report has been discussed for all the four types of stakeholders individually.

Action Taken Report

Stakeholders: Faculty

Table1

Question		Strongly Agree (4)	Agree (3)	Somewhat agree (2)	Disagree (1)	Avg.	Rating
Q1	The present curriculum is aligned with departmental mission.	80%	13%	7%	0	3.73	Strongly Agree
Q2	Employability is given importance in curriculum design and development.	75%	20%	5%	0	3.75	Strongly Agree
Q3	The curriculum was developed to prepare students for competitive exams like GATE	82%	13%	5%	0	3.7	Strongly Agree
Q4	The curriculum satisfies all stakeholder's need	80%	15%	5%	0	3.77	Strongly Agree

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Q5	The curriculum allows multidisciplinary growth of students	80%	15%	5%	0	3.75	Strongly Agree
Q6	The curriculum is well organized	84%	10%	6%	0	3.75	Strongly Agree
Q7	The curriculum focuses on design methodology, research and innovation.	80%	15%	5%	0	3.78	Strongly Agree
Q8	Faculties are given enough freedom to contribute ideas on curriculum design and development.	76%	15%	9%	0	3.75	Strongly Agree
Q9	The system followed by the department for the design and development of curriculum is effective.	80%	8%	7%	5%	3.63	Strongly Agree
Q10	The curriculum has been updated from time to time.	80%	13%	5%	2%	3.63	Strongly Agree
Q11	Options for choosing electives are adequate	70%	15%	15%	0	3.71	Strongly Agree

Note: ≥ 3 : Strongly Agree, ≥ 2 : Agree, ≥ 1 : Somewhat Agree, < 1 : disagree

Table 2

Sl. No	Question	Response in terms of % Faculty	
		Yes	No
1.	Is it needed to add any content on curriculum?	30%	70%

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2	If yes specify the content	Blockchain, Deep learning, (70%)	-
		Visual augmentation (30%)	
3.	Is it needed to delete any content on curriculum?	0%	100%
4	If yes specify the content	NA	

Table 3: Action Taken based on Table 1 and Table 2

Sl. No.	Feedback parameters	Action Taken
1	Is it needed to add any content on curriculum?	It is found that, 30% faculties want to add new contents in the existing curriculum whereas rest of the faculties do not want any changes in the curriculum. The 30% faculties want to add some emerging subjects like Blockchain, Deep learning, Visual augmentation etc. in the R21 curriculum based on industry requirements. This was discussed and approved by BOS members in the BOS meeting held on 05.03.2021 and accordingly added in R21 curriculum
2	If yes specify the content	
3	Is it needed to delete any content on curriculum?	100% faculty members do not want to delete any course from the curriculum, So, no action is required.
4	If yes specify the content	
5	The present curriculum is aligned with departmental mission.	Based on Faculty feedback, "Strongly agreed" rating have been received in all 11 given parameters with an average score of more than 3 in a scale of 4. Therefore, no action is required.
6	Employability is given importance in curriculum design and development.	
7	The curriculum developed to prepare students for competitive exams like GATE	
8	The curriculum satisfies all stakeholder's need	

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9	The curriculum allows multidisciplinary growth of students	
10	The curriculum is well organized	
11	The curriculum focuses on design methodology, research and innovation.	
12	Faculties are given enough freedom to contribute ideas on curriculum design and development.	
13	The system followed by the department for the design and development of curriculum is effective.	
14	The curriculum has been updated from time to time.	
15	Options for choosing electives are adequate	

Stakeholders: Student

1. Student Feedback form:

Question		Strongly Agree (4)	Agree (3)	Somewhat agree (2)	Disagree (1)	Avg.	Rating
Q1	The present curriculum is aligned with departmental mission.	80%	15%	5%	0%	3.75	Strongly Agree
Q2	Employability is given importance in curriculum design and development.	79%	15%	6%	0%	3.73	Strongly Agree
Q3	Are the teachers prepared and qualified to teach the curriculum	80%	15%	5%	0%	3.75	Strongly Agree
Q4	The curriculum developed to prepare students for competitive exams	82%	13%	5%	0%	3.77	Strongly Agree

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	like GATE						
Q5	The curriculum satisfies students need	82%	11%	7%	0%	3.75	Strongly Agree
Q6	Options for choosing electives are adequate	79%	15%	6%	0%	3.73	Strongly Agree
Q7	The curriculum allows multidisciplinary growth of students	77%	17%	6%	0%	3.71	Strongly Agree
Q8	The curriculum is well organized	75%	19%	6%	0%	3.69	Strongly Agree
Q9	The curriculum focuses on design methodology, research and innovation.	80%	13%	7%	0%	3.89	Strongly Agree

Note: ≥ 3 : Strongly Agree, ≥ 2 : Agree, ≥ 1 : Somewhat Agree, < 1 : disagree

Table 5

Sl. No	Question	Response in terms of % Student	
		Yes	No
1.	Is it needed to add any content on curriculum?	20%	80%
2	If yes specify the content	Elective options for some professional elective courses can be increased	-
3.	Is it needed to delete any content on curriculum?	0%	100%
4	If yes specify the content	NA	

Table 6: Action Taken based on Table 4 and Table 5

Sl. No.	Feedback parameters	Action Taken
1	Is it needed to add any content on curriculum?	It is found that, 20% students want to add some new elective subjects like Internet of things lab (IoT), Green Computing, Cloud Computing lab, Blockchain, Deep learning etc in the existing curriculum. This was discussed and approved by BOS members in the BOS meeting held on 05.03.2021 and accordingly some elective courses are added in R21 curriculum
2	If yes specify the content	
3	Is it needed to delete any content on curriculum?	100% students do not want to delete any course from the curriculum, So, no action is required.
4	If yes specify the content	
5	The present curriculum is aligned with departmental mission.	Based on Students feedback, "Strongly agreed" rating have been received in all 9 given parameters with an average score of more than 3 in a scale of 4. Therefore, no action is required.
6	Employability is given importance in curriculum design and development.	
7	Are the teachers prepared and qualified to teach the curriculum	
8	The curriculum developed to prepare students for competitive exams like GATE	
9	The curriculum satisfies students need	
10	Options for choosing electives are adequate	
11	The curriculum allows multidisciplinary growth of students	
12	The curriculum is well organized	
13	The curriculum focuses on design methodology, research and innovation.	

Stakeholders: Alumni

Table 7

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Question		Strongly Agree (4)	Agree (3)	Somewhat agree (2)	Disagree (1)	Avg.	Rating
Q1	The present curriculum is aligned with departmental mission.	80%	13%	7%	0%	3.89	Strongly Agree
Q2	The curriculum developed to prepare students for competitive exams like GATE	82%	16%	2%	0%	3.88	Strongly Agree
Q3	The curriculum satisfies all stakeholder's need	81%	16%	3%	0%	3.78	Strongly Agree
Q4	Employability is given importance in curriculum design and development.	82%	13%	5%	0%	3.77	Strongly Agree
Q5	Options for choosing electives are adequate	84%	13%	3%	0%	3.81	Strongly Agree
Q6	The curriculum allows multidisciplinary growth of students	77%	17%	6%	0%	3.71	Strongly Agree
Q7	The curriculum focuses on design methodology, research and innovation.	82%	13%	5%	0%	3.77	Strongly Agree

Note: ≥ 3 : Strongly Agree, ≥ 2 : Agree, ≥ 1 : Somewhat Agree, < 1 : disagree

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Table 8

Sl. No	Question	Response in terms of % Alumni	
		Yes	No
1.	Is it needed to add any content on curriculum?	75%	25%
2	If yes specify the content	Some courses enhancing technical skill development/ entrepreneurship/ employability may be included	
3.	Is it needed to delete any content on curriculum?	0%	100%
4	If yes specify the content	NA	

Table 9 Action Taken based on Table 7 and Table 8

Sl. No.	Feedback parameters	Action Taken
1	Is it needed to add any content on curriculum?	It is found that, 75% alumni want to add some new courses like Game development, Mobile security, etc to enhancing technical skill development/ entrepreneurship/ employability. This was discussed and approved by BOS members in the BOS meeting held on 05.03.2021 and accordingly some new courses have been introduced in the R21 curriculum for strengthening employability, entrepreneurship, technical and overall skills of the IT students.
2	If yes specify the content	
3	Is it needed to delete any content on curriculum?	100% Alumni do not want to delete any course from the curriculum, So, no action is required.
4	If yes specify the content	
5	The present curriculum is aligned with departmental mission.	Based on Alumni feedback, "Strongly agreed" rating have in all 7 given parameters with an average score of more than 3 in a scale of 4. So, no action is required.
6	The curriculum developed to prepare students for competitive exams like GATE	
7	The curriculum satisfies all	

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	stakeholder's need	
8	Employability is given importance in curriculum design and development.	
9	Options for choosing electives are adequate	
10	The curriculum allows multidisciplinary growth of students	
11	The curriculum focuses on design methodology, research and innovation.	

Stakeholders: Employer

Table 10

Question		Strongly Agree (4)	Agree (3)	Somewhat agree (2)	Disagree (1)	Avg.	Rating
Q1	The present curriculum is aligned with departmental mission.	85%	10%	5%	0%	3.8	Strongly Agree
Q2	The system followed by the department for the design and development of the curriculum is effective.	83%	16%	1%	0%	3.82	Strongly Agree
Q3	The curriculum allows multidisciplinary growth of students	82%	16%	3%	0%	3.82	Strongly Agree
Q4	The curriculum is well organized	82%	13%	5%	0%	3.77	Strongly Agree

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Table 11

Sl. No	Question	Response in terms of % Employer	
		Yes	No
1.	Is it needed to add any content on curriculum?	30%	70%
2	If yes specify the content	Some courses enhancing technical skill development/ entrepreneurship/ employability may be included	
3.	Is it needed to delete any content on curriculum?	0%	100%
4	If yes specify the content	NA	

Table 12 Action Taken based on Table 10 and Table 11

Sl. No.	Feedback parameters	Action Taken
1	Is it needed to add any content on curriculum?	It is found that, 30% employer want to add some new courses like Game development, Mobile security, Cloud Computing lab to enhancing technical skill development/ entrepreneurship/ employability. This was discussed and approved by BOS members in the BOS meeting held on 05.03.2021 and accordingly some new courses have been introduced in the R21 curriculum for strengthening employability, entrepreneurship, technical and overall skills of the IT students.
2	If yes specify the content	
3	Is it needed to delete any content on curriculum?	100% Employer do not want to delete any course from the curriculum, So, no action is required.
4	If yes specify the content	
5	The present curriculum is aligned with departmental mission.	Based on employer feedback, "Strongly agreed" rating have in all 4 given parameters with an average score of more than 3 in a scale of 4. So, no action is required.
6	The system followed by the department for the design and development of curriculum is effective.	
7	The curriculum allows	

	multidisciplinary growth of students	
8	The curriculum is well organized	

The overall Stakeholders feedback on Curriculum Development for Information Technology Department was positive and based on that the new R 21 curriculum was formed.

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