

Department of Electrical Engineering

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%	10%	10%		3.7	Strongly Agree
Q2 Employability is given importance in curriculum design and development.	85%	10%	5%		3.85	Strongly Agree
Q3 The curriculum developed to prepare students for competitive exams like GATE	75%	15%	5%	5%	3.6	Strongly Agree
Q4 The curriculum satisfies all stakeholder's need	70%	20%	10%		3.6	Strongly Agree
Q5 The curriculum allows multidisciplinary growth of students	60%	30%	5%	5%	3.9	Strongly Agree
Q6 The curriculum is well organized	80%	10%	10%		3.7	Strongly Agree
Q7 The curriculum focuses on design methodology, research and innovation.	50%	35%	5%	10%	3.25	Strongly Agree
Q8 Faculties are given enough freedom to contribute ideas on curriculum design and development.	85%	5%	10%		3.65	Strongly Agree
Q9 The system followed by the department for the design and development of curriculum is effective.	75%	15%	5%	5%	3.75	Strongly Agree
Q10 The curriculum has been updated from time to time.	80%	5%	15%		3.65	Strongly Agree

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Q11	Options for choosing electives are adequate	60%	15%	15%	10%	3.25	Strongly Agree
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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?	10%	90%
2	If yes specify the content	Electrical Energy Conservation and Auditing	-
		Embedded System Design	
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?	From the survey report, it has been found that, 10% of faculties are in a favor of adding new contents in the existing curriculum whereas all other faculties don't want any changes in the curriculum. The 10% faculties want to add value added and need based courses in the R21 curriculum. This was discussed and approved by BOS members in the BOS meeting held on 08.03.2021 and accordingly such courses
2	If yes specify the content	

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		are introduced in 6 th and 7 th semester of R 21 curriculum
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 the Survey Report of faculty feedback, it has been found that the faculties have given "Strongly agreed" rating in all 11 mentioned 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	
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

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Table 4

Question	Strongly Agree (4)	Agree (3)	Somewhat Agree (2)	Disagree (1)	Avg.	Rating
Q1 The present curriculum is aligned with departmental mission.	60%	20%	10%	10%	3.3	Strongly Agree
Q2 Employability is given importance in curriculum design and development.	80%	10%	10%		3.7	Strongly Agree
Q3 Are the teachers prepared and qualified to teach the curriculum	85%	10%	5%		3.8	Strongly Agree
Q4 The curriculum developed to prepare students for competitive exams like GATE	65%	20%	10%	5%	3.9	Strongly Agree
Q5 The curriculum satisfies students need	85%	5%	10%	5%	3.85	Strongly Agree
Q6 Options for choosing electives are adequate	65%	20%	10%	5%	3.45	Strongly Agree
Q7 The curriculum allows multidisciplinary growth of students	75%	10%	10%	5%	3.55	Strongly Agree
Q8 The curriculum is well organized	80%	10%	10%		3.7	Strongly Agree
Q9 The curriculum focuses on design methodology, research and innovation.	85%	10%	5%		3.8	Strongly Agree

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

Table 5

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Sl. No	Question	Response in terms of % Student	
		Yes	No
1.	Is it needed to add any content on curriculum?	10%	90%
2	If yes specify the content	Addition of more options in Professional Elective and Open Elective	
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 has been found that, 10% of the students want to add some new elective subjects in the existing curriculum. This was discussed and approved by BOS members in the BOS meeting held on 08.03.2021 and accordingly some elective
2	If yes specify the content	

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		courses are added in R 21 curriculum like: Robotics and Control, Big Distributed Generation and Microgrids . FACTS and HVDC, Internet of Things, and few more are added to enhance the employability and to make them more industry ready.
3	Is it needed to delete any content on curriculum?	100% of the 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.	As per the survey report of Students Feedback, it has been observed and found that, most of the students have given “Strongly agreed” rating in all 9 mentioned 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.	70%	15%	10%	5%	3.5	Strongly Agree
Q2	The curriculum developed to prepare students for competitive exams like GATE	65%	15%	10%	10%	3.35	Strongly Agree
Q3	The curriculum satisfies all stakeholder's need	70%	15%	5%	10%	3.45	Strongly Agree
Q4	Employability is given importance in curriculum design and development.	75%	20%	5%		3.7	Strongly Agree
Q5	Options for choosing electives are adequate	70%	15%	10%	5%	3.75	Strongly Agree
Q6	The curriculum allows multidisciplinary growth of students	70%	15%	10%	5%	3.5	Agree
Q7	The curriculum focuses on design methodology, research and innovation.	80%	15%	5%		3.75	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?	20%	80%
2	If yes specify the content	Inclusion of AI-ML based courses to enhance software programming knowledge to work in multidisciplinary field	-
3.	Is it needed to delete any content on curriculum?	0%	100%
4	If yes specify the content	NA	

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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 has been found that, in total 20% of the alumni's are in a favor of to add some new courses which should be focused to enhance the software skills, so that they can work in multidisciplinary field which also enhance the employability. This was discussed and approved by BOS members in the BOS meeting held on 08.03.2021 and accordingly some new courses like: Artificial Intelligence Data Analytics Soft Computing Internet of Things are introduced in R 21 Curriculum
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.	As per the survey report of Alumni Feedback, it has been observed and found that, most of the Alumni's have given "Strongly Agreed" 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 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.	

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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%	15%			3.85	Strongly Agree
Q2	The system followed by the department for the design and development of curriculum is effective.	75%	15%	10%		3.65	Strongly Agree
Q3	The curriculum allows multidisciplinary growth of students	65%	15%	10%	10%	3.35	Agree
Q4	The curriculum is well organized	65%	20%	10%	5%	3.45	Strongly Agree

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	Cyber Security Machine Learning	-
3.	Is it needed to delete any content on	0%	100%

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	curriculum?		
4	If yes specify the content	NA	

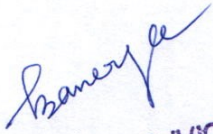
Table 12 Action Taken based on Table 10 and Table 11

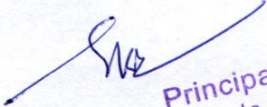
Sl. No.	Feedback parameters	Action Taken
1	Is it needed to add any content on curriculum?	It has been found that, 30% of the employer are in a favor of adding new courses which will not only enhance the software programming knowledge but also make the students ready to work in versatile field. This was discussed and approved by BOS members in the BOS meeting held on 08.03.2021 and accordingly new courses like Data Science Cyber Security Machine Learning are introduced in R 21 Curriculum Also the courses like Smart and Nano-materials for Electrical Engineering are introduced in R 21 Curriculum
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	

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


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