

## Action Taken Report

On

## Curriculum Feedback

Academic Year 2020-21

### Department of Applied Electronics & Instrumentation Engineering

Stakeholders: Faculty

Table 1:

| Question  | Strongly Agree (4) | Agree (3) | Slightly Agree (2) | Disagree (1) | Avg. | Rating         |
|---|--------------------|-----------|--------------------|--------------|------|----------------|
| Q1 The present curriculum is aligned with departmental mission.                 | 75%                | 25%       |                    |              | 3.65 | Strongly Agree |
| Q2 Employability is given importance in curriculum design and development.      | 75%                | 20%       | 5%                 |              | 3.7  | Strongly Agree |
| Q3 The curriculum developed to prepare students for competitive exams like GATE | 70%                | 20%       | 10%                |              | 3.6  | Strongly Agree |
| Q4 The curriculum satisfies all stakeholder's need                              | 75%                | 20%       |                    | 5%           | 3.45 | Strongly Agree |
| Q5 The curriculum allows multidisciplinary growth of students                   | 65%                | 25%       | 10%                |              | 3.3  | Strongly Agree |
| Q6 The curriculum is well organized   | 70%                | 20%       | 10%                |              | 3.6  | Strongly Agree |
| Q7 The curriculum focuses on design methodology, research and innovation.       | 65%                | 20%       | 10%                | 5%           | 3.45 | Strongly Agree |

|     |  |     |     |     |    |      |                |
|-----|--|-----|-----|-----|----|------|----------------|
| Q8  | Faculties are given enough freedom to contribute ideas on curriculum design and development.     | 80% | 10% | 10% |    | 3.7  | Strongly Agree |
| Q9  | The system followed by the department for the design and development of curriculum is effective. | 75% | 15% | 5%  | 5% | 3.6  | Strongly Agree |
| Q10 | The curriculum has been updated from time to time.   | 70% | 10% | 15% | 5% | 3.45 | Strongly Agree |
| Q11 | Options for choosing electives are adequate  | 75% | 10% | 15% |    | 3.65 | Strongly Agree |

Note:  $\geq 3$ : Strongly Agree,  $\geq 2$ : Agree,  $\geq 1$ : 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?    | 15%                            | 85%  |
| 2      | If yes specify the content                        | Data Science & Cyber Security  | -    |
| 3.     | Is it needed to delete any content on curriculum? | 0%                             | 100% |
| 4      | If yes specify the content                        | NA                             |      |

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**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, 15% faculties want to incorporate new contents in the existing curriculum. Rest of the faculties do not want any changes in the curriculum. This was discussed in the BOS meeting held on 27.02.2021 and decided that it will be included in the next revised syllabus. |
| 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 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  |   |
| 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. |   |

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| 14 | The curriculum has been updated from time to time. |  |
| 15 | Options for choosing electives are adequate        |  |

## Stakeholders: Student

Table 4:

| Question  | Strongly Agree (4) | Agree (3) | Somewhat agree (2) | Disagree (1) | Avg. | Rating         |
|---|--------------------|-----------|--------------------|--------------|------|----------------|
| Q1 The present curriculum is aligned with departmental mission.                 | 70%                | 20%       | 10%                |              | 3.6  | Strongly Agree |
| Q2 Employability is given importance in curriculum design and development.      | 70%                | 10%       | 15%                | 5%           | 3.45 | Strongly Agree |
| Q3 Are the teachers prepared and qualified to teach the curriculum              | 80%                | 10%       | 10%                |              | 3.7  | Strongly Agree |
| Q4 The curriculum developed to prepare students for competitive exams like GATE | 70%                | 20%       | 5%                 | 5%           | 3.55 | Strongly Agree |
| Q5 The curriculum satisfies students need                                       | 80%                | 10%       | 5%                 | 5%           | 3.65 | Strongly Agree |
| Q6 Options for choosing electives are adequate                                  | 80%                | 20%       |                    |              | 3.8  | Strongly Agree |
| Q7 The curriculum allows multidisciplinary growth of students                   | 70%                | 20%       | 10%                |              | 3.6  | Strongly Agree |
| Q8 The curriculum is well organized   | 80%                | 10%       | 5%                 |              | 3.7  | Strongly Agree |
| Q9 The curriculum focuses on design methodology, research                       |                    |           |                    |              | 3.7  | Strongly Agree |

|                 |     |     |    |  |  |  |
|-----------------|-----|-----|----|--|--|--|
| and innovation. | 80% | 15% | 5% |  |  |  |
|-----------------|-----|-----|----|--|--|--|

Note:  $\geq 3$ : Strongly Agree,  $\geq 2$ : Agree,  $\geq 1$ : 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?    | 10%   | 90%  |
| 2      | If yes specify the content                        | Big Data Analysis can be included in existing syllabus. | -    |
| 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, 10% students want to add some new elective subjects in the existing curriculum.<br>This was discussed Big Data Analysis can be included in existing syllabus. This was discussed in the BOS meeting held on |
| 2      | If yes specify the content                     |   |

|    |  |   |
|----|--|---|
|    |  | 27.02.2021 and decided that it will be included in the next revised syllabus.   |
| 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 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:

| Question  | Strongly Agree (4) | Agree (3) | Somewhat agree (2) | Disagree (1) | Avg . | Rating         |
|---|--------------------|-----------|--------------------|--------------|-------|----------------|
| Q1 The present curriculum is aligned with Departmental mission.                 | 70%                | 20%       | 10%                |              | 3.6   | Strongly Agree |
| Q2 The curriculum developed to prepare students for competitive exams like GATE | 70%                | 15%       | 10%                | 5%           | 3.5   | Strongly Agree |
| Q3 The curriculum satisfies all stakeholder's need                              |                    |           |                    |              | 3.6   | Strongly Agree |

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|    |   |     |     |     |    |      |                |
|----|---|-----|-----|-----|----|------|----------------|
|    |   | 80% | 10% | 10% |    |      |                |
| Q4 | Employability is given importance in curriculum design and development. | 75% | 20% | 5%  |    | 3.7  | Strongly Agree |
| Q5 | Options for choosing electives are adequate                             | 85% | 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% | 20% |     |    | 3.8  | Strongly Agree |

Note:  $\geq 3$ : Strongly Agree,  $\geq 2$ : Agree,  $\geq 1$ : Somewhat Agree,  $< 1$ : disagree

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  |      |

Table 9 Action Taken based on Table 7 and Table 8

| Sl. | Feedback parameters | Action Taken |
|-----|---------------------|--------------|
|-----|---------------------|--------------|

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| No |  |   |
|----|--|---|
| 1  | Is it needed to add any content on curriculum?                               | It is found that, 20% alumni want to add some new courses on AI-ML based to enhance software programming knowledge to work in multidisciplinary field which also enhance the employability. This was discussed in the BOS meeting held on 27.02.2021 and decided that it will be included in the next revised syllabus. |
| 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 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. | 80%                | 10%       | 10%                |              | 3.7         | Strongly Agree |

|    |  |     |     |     |  |      |                |
|----|--|-----|-----|-----|--|------|----------------|
| Q2 | The system followed by the department for the design and development of curriculum is effective. | 70% | 20% | 10% |  | 3.6  | Strongly Agree |
| Q3 | The curriculum allows multidisciplinary growth of students                                       | 75% | 15% | 10% |  | 3.65 | Agree          |
| Q4 | The curriculum is well organized   | 70% | 20% | 10% |  | 3.6  | Strongly Agree |

**Table 11**

| Sl. No | Question  | Response in terms of % Employer |      |
|--------|---|---------------------------------|------|
|        |   | Yes                             | No   |
| 1.     | Is it needed to add any content on curriculum?    | 10%                             | 90%  |
| 2      | If yes specify the content                        |                                 | -    |
| 3.     | Is it needed to delete any content on curriculum? | 0%                              | 100% |
| 4      | If yes specify the content                        | NA                              |      |

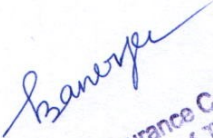
**Table 12 Action Taken based on Table 10 and Table 11**

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| Sl. No. | Feedback parameters  | Action Taken  |
|---------|--|---|
| 1       | Is it needed to add any content on curriculum?   | It is found that, 10% employer advised to add courses on Machine Learning to work in multidisciplinary field. This was discussed in the BOS meeting held on 27.02.2021 and decided that it will be included in the next revised syllabus. |
| 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 Applied Electronics and Instrumentation Engineering Department was positive and based on that revised curriculum will form.

  
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