

**NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR  
DEPARTMENT OF ELECTRICAL ENGINEERING**

**P.28 Stake holder's involvement in the process of improvement of POs & PEOs:**

**Stake Holders**

**FACULTY MEMBERS**

1. Faculty members are the key to successful implementation of the program.
2. Faculty involvement through meetings, seminars and academic committees, improves the Consistency of the program outcomes.
3. Faculty contributes directly to the designing of the program, PEOs/POs, and course outcomes.

**STUDENTS**

1. Students involvement helps in improvement of teaching and learning.
2. The student feedback helps the faculty to improvise his/her methods of teaching for continuous improvement.
3. Students input also help the department to decide the introduction of new elective courses that will meet the current trends.

**ALUMNI**

1. Alumni play a important role in designing the departmental objectives through their feedback.
2. Alumni feedbacks are necessary to incorporate the recent requirement of industries and current trends.
3. Alumni feedback is essential for preparing the students to meet the job expectation and make them employable.

**PARENTS**

Parents expect a bright career in and higher education of their wards; and their feedback are always appreciated by the department.

**INDUSTRY**

1. Industry involvement is highly essential for formulation of Department objectives, vision and mission.  
The feedback from the industries plays a vital role in developing the course curriculum and incorporating new technologies.
2. The industries are also benefitted by employing students already groomed to their requirement

## Assessment of Indirect attainment of PO and PSO

<b>PO &amp; PSO Attainment for year 2017-18</b>															
Program Exit Survey	1.98	1.85	2.02	1.77	1.72	1.83	1.77	1.87	1.87	1.92	2.02	2.08	1.91	2.05	1.97
Alumni	2.14	1.83	1.68	1.53	1.19	1.24	1.51	1.67	1.23	1.20	1.72	1.55	1.85	1.81	1.48
Employer	2.19	1.94	1.78	1.62	1.20	1.54	1.55	1.87	1.50	1.27	1.86	1.56	1.90	2.02	1.30
Indirect Attainment	2.11	1.86	1.79	1.61	1.32	1.46	1.59	1.77	1.46	1.40	1.83	1.68	1.88	1.92	1.56
Direct Assessment	2.19	1.89	1.73	1.52	1.40	1.44	1.52	1.11	1.36	1.03	1.47	1.48	1.81	1.95	1.36
Direct Attainment (80%)	1.75	1.51	1.38	1.21	1.12	1.15	1.22	0.89	1.09	0.82	1.18	1.18	1.44	1.56	1.09
Indirect Attainment (20%)	0.42	0.37	0.36	0.32	0.26	0.29	0.32	0.35	0.29	0.28	0.37	0.34	0.38	0.38	0.31
Overall PO/PSO Attainment	2.18	1.89	1.74	1.54	1.38	1.45	1.54	1.24	1.38	1.10	1.55	1.52	1.82	1.95	1.40
<b>PO &amp; PSO Attainment for year 2018-19</b>															
Program Exit Survey	1.96	1.94	1.75	1.81	1.75	1.83	1.96	2.02	2.08	1.94	1.79	2.08	1.88	1.94	1.85
Alumni	2.25	2.20	1.85	1.70	1.75	1.90	1.95	1.90	2.05	2.25	2.05	2.20	1.92	1.95	1.75
Employer	2.01	1.96	1.61	1.63	1.11	1.59	1.53	1.57	1.55	1.46	1.39	1.55	1.73	1.82	1.57
Indirect Attainment	2.12	2.08	1.77	1.71	1.59	1.81	1.85	1.85	1.93	1.97	1.82	2.01	1.86	1.92	1.73
Direct Assessment	2.02	1.79	1.65	1.43	1.25	1.34	1.42	0.96	1.27	1.06	1.51	1.44	1.67	1.79	1.35
Direct Attainment (80%)	1.62	1.43	1.32	1.14	1.00	1.07	1.14	0.77	1.01	0.85	1.20	1.15	1.34	1.43	1.08
Indirect Attainment (20%)	0.42	0.42	0.35	0.34	0.32	0.36	0.37	0.37	0.39	0.39	0.36	0.40	0.37	0.38	0.35
Overall PO/PSO Attainment	2.04	1.84	1.67	1.49	1.32	1.43	1.51	1.14	1.40	1.24	1.57	1.56	1.71	1.81	1.43
<b>PO &amp; PSO Attainment for year 2019-20</b>															
Program Exit Survey	2.09	2.00	1.70	1.84	1.84	1.91	1.80	1.86	2.07	2.11	1.95	2.16	1.77	1.84	1.84
Alumni	2.19	2.00	1.89	1.77	1.81	1.89	2.02	2.04	2.09	2.09	2.06	2.17	1.99	1.98	1.94
Employer	2.38	2.31	2.54	2.23	2.27	2.54	2.54	2.31	2.23	2.46	2.23	2.31	2.35	2.27	2.37
Indirect Attainment	2.21	2.08	2.01	1.90	1.93	2.06	2.10	2.06	2.12	2.19	2.08	2.20	2.03	2.02	2.02
Direct Assessment	2.13	1.81	1.73	1.49	1.16	1.46	1.38	0.71	1.16	1.13	1.60	1.41	1.72	1.86	1.31
Direct Attainment (80%)	1.70	1.45	1.39	1.19	0.93	1.17	1.10	0.57	0.93	0.91	1.28	1.13	1.38	1.49	1.05
Indirect Attainment (20%)	0.44	0.42	0.40	0.38	0.39	0.41	0.42	0.41	0.42	0.44	0.42	0.44	0.41	0.40	0.40
Overall PO/PSO Attainment	2.15	1.86	1.79	1.57	1.31	1.58	1.52	0.98	1.35	1.34	1.69	1.57	1.78	1.89	1.45

## Format of Questionnaire used for feedback

### Program Exit Survey:

An exit survey is conducted for students who have graduated out of the department for that year. The questionnaire format in the exit survey form to evaluate the attainment of POs and PSOs is given in section (a) and the relation of POs & PSOs with each question is given in section (b).

#### (a) Questionnaire Format

#### Assessment of Abilities, Skills, and Attributes acquired at NIT SRINAGAR

Please rate each of the following items in terms how well your education at NIT SRINAGAR prepared you for them.

Sl. No	Overall, are you satisfied with:	Extremely Satisfied	Satisfied	Somewhat Satisfied
1	Basic knowledge in mathematics, science, Engineering and humanities.			
2	Ability to identify, design, analyze and solve Electrical engineering problems.			
3	Design/development of complex engineering problems and their solutions			
4	Conduct investigations of Complex Problems			
5	Demonstrate the ability to apply advanced technologies to solve contemporary and new Problems.			
6	Awareness to apply engineering solutions in Global, national, and societal contexts.			
7	Understanding professional engineering solutions in societal and environmental contexts			
8	Understanding of professional and ethical Responsibilities			
9	Ability to function as an effective member in multi-disciplinary teams			
10	Proficiency in the English language in both communicative and technical forms			
11	Demonstrate the ability to choose and apply appropriate resource management techniques			
12	Capable of self-education and a clear understanding of the value of updating their professional knowledge to engage in life-long Learning.			
13	Program aids in securing jobs in the fields of design, research, manufacturing, safety, quality, sales and service			
14	The program enhances creative and imaginative Skills required in Mechanical Engineering domain.			
15	The program helps to progress through advanced degree or certificate programs			
16	The program helps in innovative and entrepreneurship activities with high professional standards			

**(b) Relation of POs and PSOs with questionnaire:**

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12

PSOs	PSO1	PSO2	PSO3
Questions	Q13 & Q14	Q15	Q16

**(c) Evaluation Process:**

The questionnaire consists of 16 questions which are relevant for assessing each PO and PSO. The first 12 questions correspond to the 12 POs and the remaining 4 questions are for PSOs (Questions 13 & 14 are used to evaluate PSO 1, Question 15 is used to evaluate PSO 2 and Question 16 is used to evaluate PSO 3). Each question is having 3 options, namely, extremely satisfied, satisfied and somewhat satisfied, which is given marks 3, 2 and 1 respectively. The survey results are tabulated and the average values corresponding to each PO and PSO are calculated.

### Employer Survey:

Feedback is taken at a frequency of once in two years from the employers who had given jobs to our graduates. The questionnaire format in the employer survey form to evaluate attainment of POs and PSOs is given in section (a) and the relation of POs & PSOs with each question is given in section(b)

#### (a) Questionnaire Format:

Rate the NIT SRINAGAR graduates working in your organization using the following criterion. Put a **tick mark** (✓)

#### Knowledge, Skills, Abilities, Attitude and other Attributes expected out of NIT SRINAGAR graduates

Sl. No	Overall, are you satisfied with:	Extremely Satisfied	Satisfied	Somewhat Satisfied
1	Capacity for development and analysis of engineering problems and formulation of appropriate solutions, retaining professional and ethical responsibilities.			
2	Aptitude for self-education, ability to learn new skills and a clear appreciation for the value of lifelong learning to update professional Knowledge			
3	Understanding professional engineering solutions for sustainable development and their application in global, national and societal contexts.			
4	Competence for acquiring new skills and applying them in research and development			
5	Fundamental knowledge in mathematics and science and professional fluency in English both communicative and technical forms			
6	Dexterity in the differentiation of management techniques and possession of leadership skills that enable the successful function of multi-disciplinary teams			

#### (b) Relation of POs and PSOs with questionnaire:

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q1& Q5	Q1	Q3	Q4	Q2& Q4	Q3	Q3	Q1	Q6	Q5	Q6	Q2

PSOs	PSO1	PSO2	PSO3
Questions	Q1, Q2, Q3, Q4	Q2, Q4	Q1, Q3, Q5, Q6

#### (c) Evaluation Process:

The questionnaire consists of 6 questions. These questions are relevant for assessing each PO and PSO. If multiple questions satisfy a PO, then their average is taken. A similar procedure is followed for PSOs also. Each question is having 3 options namely, extremely satisfied, satisfied and somewhat satisfied, which is given marks 3, 2 and 1 respectively. These marks are tabulated and the average values corresponding to each PO and PSO are determined.

### Alumni Survey:

Feedback is taken from alumni. The questionnaire format in the alumni survey form to evaluate attainment of POs and PSOs is given in section (a) and the relation of POs & PSOs with each question is given in section (b).

#### (a) Questionnaire Format:

##### Assessment of Knowledge, Skills, Abilities, Attitude, and attributes acquired at NIT SRINAGAR.

Please rate each of the following Knowledge, skills, abilities, attitudes (K, S, A) or attribute in terms how well NIT SRINAGAR inculcated them in your education.

Sl. No	Overall, are you satisfied with:	Extremely Satisfied	Satisfied	Somewhat Satisfied
1	Basic knowledge in mathematics, science, Engineering and humanities.			
2	Ability to identify, formulate and analyze Engineering problems.			
3	Design/development of complex engineering problems and their solutions			
4	Conduct investigations of Complex Problems			
5	Demonstrate the ability to apply advanced technologies to solve contemporary and new problems.			
6	Understanding professional engineering solutions in societal and environmental contexts			
7	Awareness to apply engineering solutions in global, national, and societal contexts.			
8	Understanding of professional and ethical responsibilities.			
9	Ability to function as an effective member in multi-disciplinary teams			
10	Proficiency in the English language in both communicative and technical forms			
11	Demonstrate the ability to choose and apply appropriate resource management techniques			
12	Capable of self-education and a clear understanding of the value of updating their professional knowledge to engage in life-long learning.			
13	Program aids in securing jobs in the fields of design, research, manufacturing, safety, quality, sales and service			
14	The program enhances creative and imaginative skills required in Electrical Engineering domain.			
15	The program helps to progress through advanced degree or certificate programs			
16	The program helps in innovative and entrepreneurship activities with high professional standards			

#### (b) Relation of POs and PSOs with questionnaire:

POs	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PO9	PO10	PO11	PO12
Questions	Q1	Q2	Q3	Q4	Q5	Q7	Q6	Q8	Q9	Q10	Q11	Q12

PSOs	PSO1	PSO2	PSO3
Questions	Q13 & Q14	Q15	Q16

**(c) Evaluation Process:**

The questionnaire consists of 16 questions which are relevant for assessing each PO and PSO. The first 12 questions are used to evaluate the 12 POs and the remaining 4 questions are for evaluating PSOs (Questions 13 & 14 are used to evaluate PSO 1, Question 15 is used to evaluate PSO 2 and Question 16 is used to evaluate PSO 3). Each question is having 3 options, namely, extremely satisfied, satisfied and somewhat satisfied, which is given marks 3, 2, and 1 respectively. These marks are tabulated and the average value is shown.



**DEPARTMENT OF ELECTRICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

**FEEDBACK FORM FOR VISION, MISSION & PEOs  
STAKE HOLDER – FACULTY**

NAME:

DESIGNATION:

DATE OF JOINING:

**Vision of Department of EE:**

The Department of Electrical Engineering aims to be a frontrunner in producing globally competent technocrats who can set a benchmark in innovation and research to contribute in nation building by making a demonstrable environmental, social and economic impact.

**Mission of the Department**

- M1.** To create technocrats by imparting quality education to meet industrial and societal needs.
- M2.** To provide a cordial environment that attracts and develops talent for excellence in research, innovation and leadership.
- M3.** To inspire students to become responsible citizens and inculcate value-based, socially-committed professional ethics to cause of holistic development.
- M4.** To enable sustainable and cost-effective innovations, showcasing the importance of green energy technology with a focus on energy efficiency.
- M5.** To bridge the gap between academia and industries by framing appropriate curricula and syllabi.

**Program Educational Objectives**

- PEO1.** To imbibe analytical and professional skills in students to succeed in diverse fields.



**DEPARTMENT OF ELECTRICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

- PEO2.** To create enthusiasts to pursue advanced education supplementing their career growth.
- PEO3.** To develop the necessary skill set for industries in students by imparting state of art technology in various areas of electrical engineering.
- PEO4.** To promote the culture of problem-solving and design skills for lifelong learning.

**Dear FACULTY do you feel:**

Whether the current statements of vision, mission and PEOs is as per current need

Yes  No  Partially

Whether the institute is moving towards right path as per vision & mission statement

Yes  No  Partially

Do you want to suggest changes in Vision and Mission Statements

Yes  No

If yes, give suggestion here

Do you want to suggest changes in PEOs Statements

Yes  No

If yes, give suggestion here



**DEPARTMENT OF ELECTRICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

**FEEDBACK FORM FOR VISION, MISSION & PEOs  
STAKE HOLDER – PARENT**

NAME:

PROFESSION:

YOUR WARD NAME:

YOUR WARD ROLL NUMBER:

YOUR WARD YEAR OF STUDY

First Year     Second Year     Third Year     Final Year

ADDRESS

**Vision of Department of EE:**

The Department of Electrical Engineering aims to be a frontrunner in producing globally competent technocrats who can set a benchmark in innovation and research to contribute in nation building by making a demonstrable environmental, social and economic impact.

**Mission of the Department**

- M1.** To create technocrats by imparting quality education to meet industrial and societal needs.
- M2.** To provide a cordial environment that attracts and develops talent for excellence in research, innovation and leadership.
- M3.** To inspire students to become responsible citizens and inculcate value-based, socially-committed professional ethics to cause of holistic development.



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NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

- M4.** To enable sustainable and cost-effective innovations, showcasing the importance of green energy technology with a focus on energy efficiency.
- M5.** To bridge the gap between academia and industries by framing appropriate curricula and syllabi.

**Program Educational Objectives**

- PEO1.** To imbibe analytical and professional skills in students to succeed in diverse fields.
- PEO2.** To create enthusiasts to pursue advanced education supplementing their career growth.
- PEO3.** To develop the necessary skill set for industries in students by imparting state of art technology in various areas of electrical engineering.
- PEO4.** To promote the culture of problem-solving and design skills for lifelong learning.

**Dear PARENT do you feel:**

Whether the current statements of vision, mission and PEOs is as per current need

Yes  No  Partially

Whether the institute is moving towards right path as per vision & mission statement

Yes  No  Partially

Do you want to suggest changes in Vision and Mission Statements

Yes  No

If yes, give suggestion here



**DEPARTMENT OF ELECTRICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

**Employer Feedback on Vision, Mission & PEO of the Department**

**Name:**  
**Designation:**  
**Organization:**  
**Official Address:**

**Email:**

**Phone:**

The Department of Electrical Engineering aims to be a frontrunner in producing globally competent technocrats who can set a benchmark in innovation and research to contribute in nation building by making a demonstrable environmental, social and economic impact.

**Mission of the Department**

- M1.** To create technocrats by imparting quality education to meet industrial and societal needs.
- M2.** To provide a cordial environment that attracts and develops talent for excellence in research, innovation and leadership.
- M3.** To inspire students to become responsible citizens and inculcate value-based, socially-committed professional ethics to cause of holistic development.
- M4.** To enable sustainable and cost-effective innovations, showcasing the importance of green energy technology with a focus on energy efficiency.
- M5.** To bridge the gap between academia and industries by framing appropriate curricula and syllabi.

**Program Educational Objectives**

- PEO1.** To imbibe analytical and professional skills in students to succeed in diverse fields.
- PEO2.** To create enthusiasts to pursue advanced education supplementing their career growth.
- PEO3.** To develop the necessary skill set for industries in students by imparting state of art technology in various areas of electrical engineering.



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NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

**PEO4.** To promote the culture of problem-solving and design skills for lifelong learning.

1. The proposed Vision and Mission statements are futuristic and serves the Societal & Industrial needs  
 Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree
2. The Vision and Mission statements are compelling.  
 Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree
3. The Vision of the Department reflects the basic expectations of core Industries.  
 Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree
4. The Vision of the Department ensure the students to reach their career objectives  
 Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree
5. The Vision of the Department articulates the aspirations of Institute  
 Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree
6. The mission statement realizes the Vision of the Department and as well as Institute  
 Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree
7. Do you agree that the Department is in the right path as per Vision, Mission & PEO statements  
 Strongly Agree    Agree    Neutral    Disagree    Strongly Disagree

Do you want to suggest changes in Vision and Mission Statements

Yes  No

If yes, give suggestion here

Do you want to suggest changes in PEOs Statements

Yes  No

If yes, give suggestion here

Signature



**DEPARTMENT OF ELECTRICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

**FEEDBACK FORM FOR VISION, MISSION & PEOs**

**STAKE HOLDER – ALUMNI**

NAME:

YEAR OF GRADUATION:

CURRENT WORKING ORGANISATION:

CURRENT WORKING ORGANIZATION ADDRESS:

PURSUING HIGHER STUDIES:

Yes  No

If yes, provide details

**Vision of Department of EE:**

The Department of Electrical Engineering aims to be a frontrunner in producing globally competent technocrats who can set a benchmark in innovation and research to contribute in nation building by making a demonstrable environmental, social and economic impact.

**Mission of the Department**

- M1.** To create technocrats by imparting quality education to meet industrial and societal needs.
- M2.** To provide a cordial environment that attracts and develops talent for excellence in research, innovation and leadership.
- M3.** To inspire students to become responsible citizens and inculcate value-based, socially-committed professional ethics to cause of holistic development.
- M4.** To enable sustainable and cost-effective innovations, showcasing the importance of green energy technology with a focus on energy efficiency.



**DEPARTMENT OF ELECTRICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

- M5.** To bridge the gap between academia and industries by framing appropriate curricula and syllabi.

**Program Educational Objectives**

- PEO1.** To imbibe analytical and professional skills in students to succeed in diverse fields.  
**PEO2.** To create enthusiasts to pursue advanced education supplementing their career growth.  
**PEO3.** To develop the necessary skill set for industries in students by imparting state of art technology in various areas of electrical engineering.  
**PEO4.** To promote the culture of problem-solving and design skills for lifelong learning.

**Dear ALUMNI do you feel:**

Whether the current statements of vision, mission and PEOs is as per current need

Yes  No  Partially

Whether the institute is moving towards right path as per vision & mission statement

Yes  No  Partially

Do you want to suggest changes in Vision and Mission Statements?

Yes  No

If yes, give suggestion here

Do you want to suggest changes in PEOs Statements

Yes  No

If yes, give suggestion here



**DEPARTMENT OF ELECTRICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

**FEEDBACK FORM FOR VISION, MISSION & PEOs  
STAKE HOLDER – STUDENT**

NAME:

ENROLMENT NO:

SEMESTER:

First Year     Second Year     Third Year     Final Year

**Vision of Department of EE:**

The Department of Electrical Engineering aims to be a frontrunner in producing globally competent technocrats who can set a benchmark in innovation and research to contribute in nation building by making a demonstrable environmental, social and economic impact.

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- M1.** To create technocrats by imparting quality education to meet industrial and societal needs.
- M2.** To provide a cordial environment that attracts and develops talent for excellence in research, innovation and leadership.
- M3.** To inspire students to become responsible citizens and inculcate value-based, socially-committed professional ethics to cause of holistic development.
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- M5.** To bridge the gap between academia and industries by framing appropriate curricula and syllabi.

**Program Educational Objectives**



**DEPARTMENT OF ELECTRICAL ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR**

- PEO1.** To imbibe analytical and professional skills in students to succeed in diverse fields.
- PEO2.** To create enthusiasts to pursue advanced education supplementing their career growth.
- PEO3.** To develop the necessary skill set for industries in students by imparting state of art technology in various areas of electrical engineering.
- PEO4.** To promote the culture of problem-solving and design skills for lifelong learning.

**Dear student do you feel:**

Whether the current statements of vision, mission and PEOs is as per current need

- Yes       No       Partially

Whether the institute is moving towards right path as per vision & mission statement

- Yes       No       Partially

Do you want to suggest changes in Vision and Mission Statements

- Yes       No

If yes, give suggestion here

Do you want to suggest changes in PEOs Statements

- Yes       No

If yes, give suggestion here