Department of Applied Electronics and Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Road, Panihati
24 Parganas (N), Kolkata-700114

Curriculum Feedback Analysis and Action Taken Report

Academic Year – 2017 -18

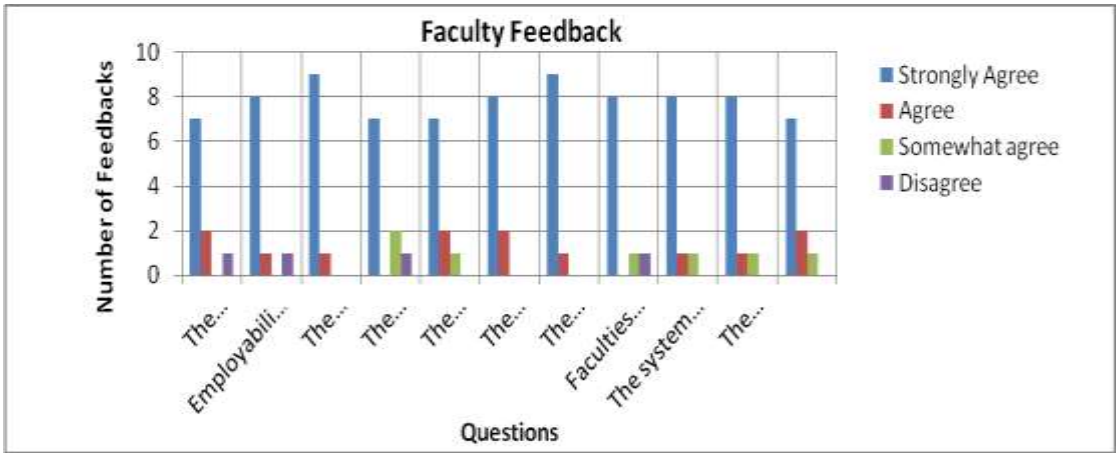
Stakeholders play an important role in curriculum development to cater with present need of society. The survey has conducted among the various stakeholders (faculty & staff members of the department, alumni and employers). The agreement rating regarding curriculum development with some specific questions for different stakeholders is listed in the table below. Based on stakeholder's feedback DC committee prepared a draft curriculum and placed to BOS. The BOS finalizes the curriculum thereafter. The feedback result is analyzed as follows.

1. Faculty Feedback form

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	7	2	0	1
Q2	Employability is given importance in curriculum design and development.	8	1	0	1
Q3	The curriculum developed to prepare students for competitive exams like GATE	9	1	0	0
Q4	The curriculum satisfies all stakeholder's need	7	0	2	1
Q5	The curriculum allows multidisciplinary growth of students	7	2	1	0
Q6	The curriculum is well organized	8	2	0	0
Q7	The curriculum focuses on design methodology, research and innovation.	9	1	0	0
Q8	Faculties are given enough freedom to contribute ideas on curriculum design and development.	8	0	1	1
Q9	The system followed by the department for the design and development of curriculum is effective.	8	1	1	0
Q10	The curriculum has been updated from time to time.	8	1	1	0
Q11	Options for choosing electives are adequate	7	2	1	0

Faculty Feedback Summary

Total 10 faculties have given feedback.

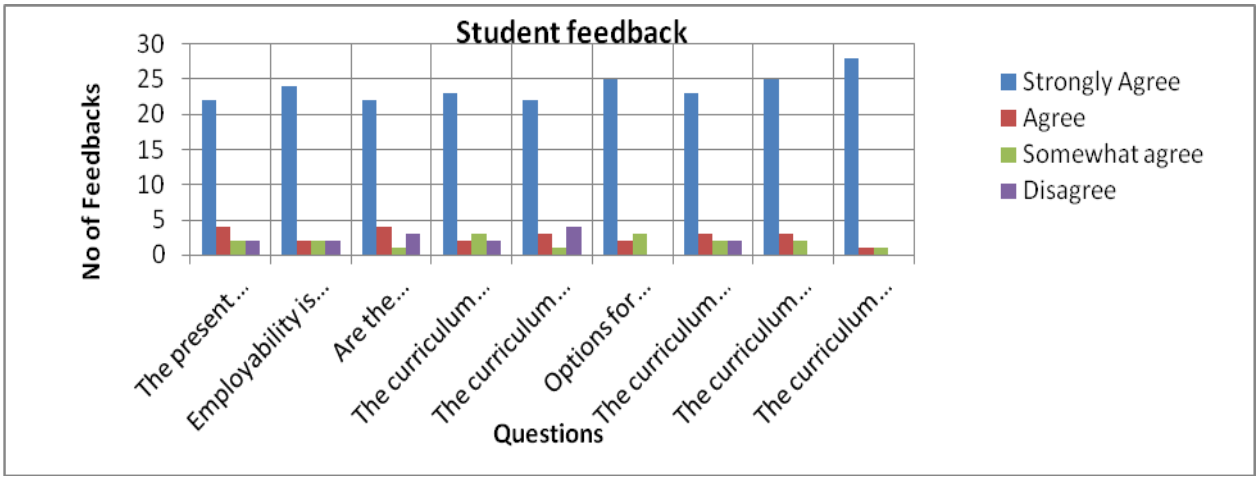


2. Student Feedback form:

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	22	4	2	2
Q2	Employability is given importance in curriculum design and development.	24	2	2	2
Q3	Are the teachers prepared and qualified to teach the curriculum	22	4	1	3
Q4	The curriculum developed to prepare students for competitive exams like GATE	23	2	3	2
Q5	The curriculum satisfies students need	22	3	1	4
Q6	Options for choosing electives are adequate	25	2	3	0
Q7	The curriculum allows multidisciplinary growth of students	23	3	2	2
Q8	The curriculum is well organized	25	3	2	0
Q9	The curriculum focuses on design methodology, research and innovation.	28	1	1	0

Student Feedback Summary:

Total 30 students have given feedback.

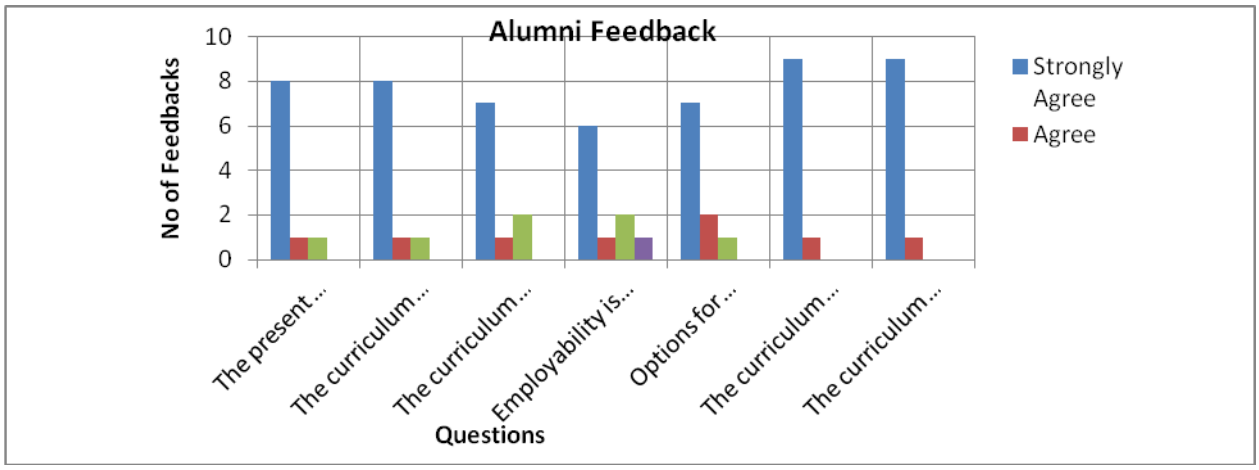


3. Alumni Feedback Form

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	8	1	1	0
Q2	The curriculum developed to prepare students for competitive exams like GATE	8	1	1	0
Q3	The curriculum satisfies all stakeholder's need	7	1	2	0
Q4	Employability is given importance in curriculum design and development.	6	1	2	1
Q5	Options for choosing electives are adequate	7	2	1	0
Q6	The curriculum allows multidisciplinary growth of students	9	1	0	0
Q7	The curriculum focuses on design methodology, research and innovation.	9	1	0	0

Alumni Feedback Summary

Total 10 alumni members have given feedback.

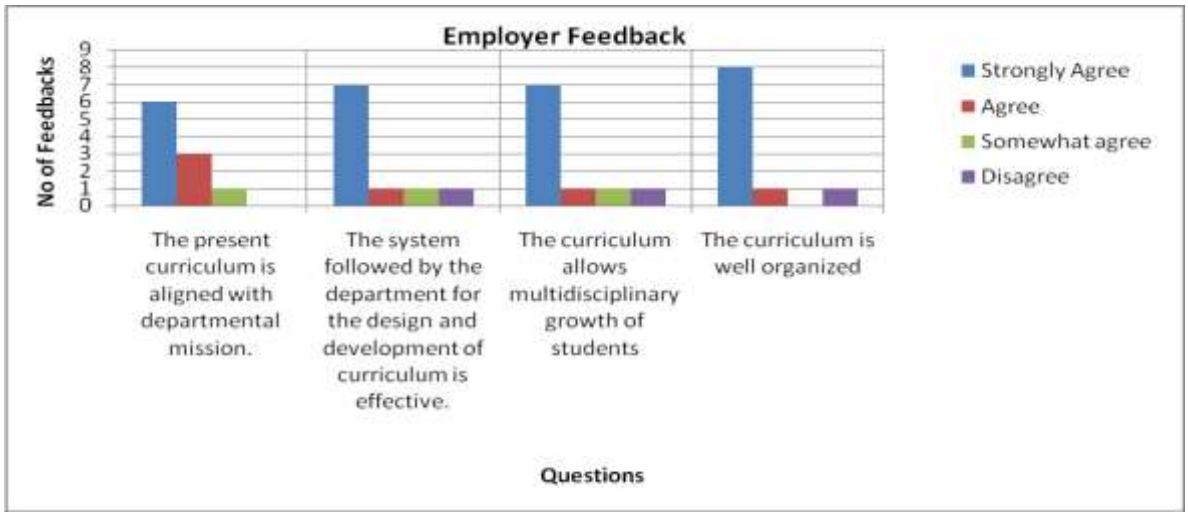


4. Employer's Feedback Form

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	6	3	1	0
Q2	The system followed by the department for the design and development of curriculum is effective.	7	1	1	1
Q3	The curriculum allows multidisciplinary growth of students	7	1	1	1
Q4	The curriculum is well organized	8	1	0	1

Employer's Feedback Summary

Total 10 Employers given feedback.



ACTION TAKEN REPORT

The remarks given by the stack holders have been noted and will be included as much as possible in the 2018 Curriculum and Syllabus, like, decreasing the total credit, inclusion of subjects like IoT, Machine Learning etc.

Department of Applied Electronics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Road, Panihati
24 Parganas (N), Kolkata-700114

ALUMNI FEEDBACK FORM
2018-17
(For establishment of Autonomy Curriculum)

Name: AKSHAY KUMAR SINGH	**Phone No.8981610463**
Qualification, Branch: B.Tech, EIE	**E – mail ID:akshaysinghcul@gmail.com**
Present Employer & Designation: Tata Consultancy Services, ASE	**Total Experience: 1 years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Alumni Feedback Form

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	The curriculum developed to prepare students for competitive exams like GATE		✓		
Q3	The curriculum satisfies all stakeholder's need	✓			
Q4	Employability is given importance in curriculum design and development.	✓			
Q5	Options for choosing electives are adequate				
Q6	The curriculum allows multidisciplinary growth of students	✓			
Q7	The curriculum focuses on design methodology, research and innovation.	✓			

Remarks (if any): The total credit of the syllabus is to be decreased.

Department of Applied Electronics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Road, Panihati
24 Parganas (N), Kolkata-700114

ALUMNI FEEDBACK FORM
2018-17
(For establishment of Autonomy Curriculum)

Name: SOUVIK DAS	**Phone No. 7980891171**
Qualification, Branch: B.Tech, EIE	**E – mail ID:souvikdas2008@rediffmail.com**
Present Employer & Designation: Thyrocare, design Engineer	**Total Experience: 1.5 years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Alumni Feedback Form

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.		✓		
Q2	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q3	The curriculum satisfies all stakeholder's need	✓			
Q4	Employability is given importance in curriculum design and development.	✓			
Q5	Options for choosing electives are adequate	✓			
Q6	The curriculum allows multidisciplinary growth of students	✓			
Q7	The curriculum focuses on design methodology, research and innovation.		✓		

Remarks (if any): Considering the increasing demand of Automation, LabVIEW software based lab can be included in the syllabus.

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

ALUMNI FEEDBACK FORM
2018-17
(For establishment of Autonomy Curriculum)

Name: REPARNA SAHA	**Phone No.8017057295**
Qualification, Branch: B. Tech, EIE	**E – mail ID:reparnasaha@gmail.com**
Present Employer & Designation: Tata Consultancy Services, ASE	**Total Experience: 1 years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Alumni Feedback Form

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q3	The curriculum satisfies all stakeholder's need			✓	
Q4	Employability is given importance in curriculum design and development.	✓			
Q5	Options for choosing electives are adequate		✓		
Q6	The curriculum allows multidisciplinary growth of students	✓			
Q7	The curriculum focuses on design methodology, research and innovation.	✓			

Remarks (if any):

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

ALUMNI FEEDBACK FORM
2018-17
(For establishment of Autonomy Curriculum)

Name: SATARUPA CHAKRABORTY	**Phone No.8902244140**
Qualification, Branch: B.Tech, EIE	**E – mail ID:satarupacg94@gmail.com**
Present Employer & Designation: Tata Consultancy Services, ASE	**Total Experience: 1.5 years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Alumni Feedback Form

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q3	The curriculum satisfies all stakeholder's need	✓			
Q4	Employability is given importance in curriculum design and development.	✓			
Q5	Options for choosing electives are adequate	✓			
Q6	The curriculum allows multidisciplinary growth of students	✓			
Q7	The curriculum focuses on design methodology, research and innovation.	✓			

Remarks (if any):

Department of Applied Electronics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Road, Panihati
24 Parganas (N), Kolkata-700114

ALUMNI FEEDBACK FORM
2017-16
(For establishment of Autonomy Curriculum)

Name: Somnath Chakraborty	**Phone No. 8981659484**
Qualification, Branch: B.Tech, EIE	**E – mail ID: somchakraborty82@gmail.com**
Present Employer & Designation: Eastman Crusher Co. Pvt. Ltd, Trainee	**Total Experience: 3years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.

f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Alumni Feedback Form

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	The curriculum developed to prepare students for competitive exams like GATE		✓		
Q3	The curriculum satisfies all stakeholder's need		✓		
Q4	Employability is given importance in curriculum design and development.	✓			
Q5	Options for choosing electives are adequate		✓		
Q6	The curriculum allows multidisciplinary growth of students	✓			
Q7	The curriculum focuses on design methodology, research and innovation.			✓	

Remarks (if any):

Department of Applied Electronics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Road, Panihati
24 Parganas (N), Kolkata-700114

Employer FEEDBACK FORM

(2018-17)
(For establishment of Autonomy Curriculum)

Name of the Employer: Tata Consultancy Services	**Phone No.8017239825**
Field of Work: Software Development and maintenance	**E – mail ID: just.panchali@gmail.com**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.

f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	The system followed by the department for the design and development of curriculum is effective.		✓		
Q3	The curriculum allows multidisciplinary growth of students	✓			
Q4	The curriculum is well organized	✓			

Remarks (if any): Some subjects like IoT, Machine Learning need to be included in the syllabus to make the syllabus at par with the recent trends.

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

Employer FEEDBACK FORM

(2018-17)
(For establishment of Autonomy Curriculum)

Name of the Employer: Eastman Crusher Co. Pvt Ltd	**Phone No. 9903337649**
Field of Work: Automation	**E – mail ID: cni@eastmancrusher.com**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.

f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	The system followed by the department for the design and development of curriculum is effective.	✓			

Q3	The curriculum allows multidisciplinary growth of students		✓		
Q4	The curriculum is well organized	✓			

Remarks (if any): Taking into consideration the resent trends, some subjects like IoT, Machine Learning; Quantum Mechanics etc. need to be included in the syllabus.

Department of Applied Electronics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

Employer FEEDBACK FORM

(2018-17)
(For establishment of Autonomy Curriculum)

Name of the Employer: Tech Mahindra	**Phone No. 9339435014**
Field of Work: Software Development and Maintenance	**E – mail ID: bikashduttarox@gmail.com**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.

f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.		✓		

Q2	The system followed by the department for the design and development of curriculum is effective.	✓			
Q3	The curriculum allows multidisciplinary growth of students	✓			
Q4	The curriculum is well organized	✓			

Remarks (if any):

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

Employer FEEDBACK FORM

(2018-17)
(For establishment of Autonomy Curriculum)

Name of the Employer: Ultratech Pvt. Ltd.	**Phone No. 9831206386**
Field of Work: Embedded System Design and maintenance	**E – mail ID: shantanu.ultratech@gmail.com**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.

f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Question	**Strongly Agree**	**Agree**	**Somewhat agree**	**Disagree**

Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	The system followed by the department for the design and development of curriculum is effective.	✓			
Q3	The curriculum allows multidisciplinary growth of students	✓			
Q4	The curriculum is well organized	✓			

Remarks (if any):

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

FACULTY FEEDBACK FORM
(2018-17)
(For establishment of Autonomy Curriculum)

Name: Mrs Jayita Dutta	**Phone No.9830143485**
Qualification, Branch: M.Tech, AEIE	**E – mail ID: jayita_datta63@rediffmail.com**
Present Employer & Designation: GNIT, Assistant Professor	**Total Experience: 16 years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	Employability is given importance in curriculum design and development.	✓			
Q3	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q4	The curriculum satisfies all stakeholder's need	✓			
Q5	The curriculum allows multidisciplinary growth of students	✓			
Q6	The curriculum is well organized	✓			
Q7	The curriculum focuses on design methodology, research and innovation.	✓			
Q8	Faculties are given enough freedom to contribute ideas on curriculum design and development.	✓			
Q9	The system followed by the department for the design and development of curriculum is effective.	✓			
Q10	The curriculum has been updated from time to time.	✓			
Q11	Options for choosing electives are adequate	✓			

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

FACULTY FEEDBACK FORM
(2018-17)
(For establishment of Autonomy Curriculum)

Name: Dr. Anil Kumar Ghoshal	**Phone No.9432406476**
Qualification, Branch: PhD, AEIE	**E – mail ID: anilkghoshal@gmail.com**
Present Employer & Designation: GNIT, Professor	**Total Experience: 35 years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	Employability is given importance in curriculum design and development.		✓		
Q3	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q4	The curriculum satisfies all stakeholder's need	✓			
Q5	The curriculum allows multidisciplinary growth of students	✓			
Q6	The curriculum is well organized	✓			
Q7	The curriculum focuses on design methodology, research and innovation.		✓		
Q8	Faculties are given enough freedom to contribute ideas on curriculum design and development.	✓			
Q9	The system followed by the department for the design and development of curriculum is effective.	✓			
Q10	The curriculum has been updated from time to time.	✓			
Q11	Options for choosing electives are adequate		✓		

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

FACULTY FEEDBACK FORM
(2018-17)
(For establishment of Autonomy Curriculum)

Name: Mrs. Santana Das	**Phone No.9674985930**
Qualification, Branch: M. Tech, AEIE	**E – mail ID: santanakdas@rediffmail.com**
Present Employer & Designation: GNIT, Assistant Professor	**Total Experience: 10 years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	Employability is given importance in curriculum design and development.	✓			
Q3	The curriculum developed to prepare students for competitive exams like GATE		✓		
Q4	The curriculum satisfies all stakeholder's need	✓			
Q5	The curriculum allows multidisciplinary growth of students	✓			
Q6	The curriculum is well organized	✓			
Q7	The curriculum focuses on design methodology, research and innovation.	✓			
Q8	Faculties are given enough freedom to contribute ideas on curriculum design and development.	✓			
Q9	The system followed by the department for the design and development of curriculum is effective.		✓		
Q10	The curriculum has been updated from time to time.	✓			
Q11	Options for choosing electives are adequate	✓			

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

FACULTY FEEDBACK FORM
(2018-17)
(For establishment of Autonomy Curriculum)

Name: Mrs. Bapita Roy	**Phone No.9231893138**
Qualification, Branch: M. Tech, AEIE	**E – mail ID: bapitaroy123@gmail.com**
Present Employer & Designation: GNIT, Assistant Professor	**Total Experience: 11 years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	Employability is given importance in curriculum design and development.	✓			
Q3	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q4	The curriculum satisfies all stakeholder's need			✓	
Q5	The curriculum allows multidisciplinary growth of students	✓			
Q6	The curriculum is well organized	✓			
Q7	The curriculum focuses on design methodology, research and innovation.	✓			
Q8	Faculties are given enough freedom to contribute ideas on curriculum design and development.	✓			
Q9	The system followed by the department for the design and development of curriculum is effective.	✓			
Q10	The curriculum has been updated from time to time.	✓			
Q11	Options for choosing electives are adequate	✓			

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

FACULTY FEEDBACK FORM
(2018-17)
(For establishment of Autonomy Curriculum)

Name: Mrs Paramita Banerjee	**Phone No. 9903222889**
Qualification, Branch: M, Tech, AEIE	**E – mail ID: paramitabanerjee.s@gmail.com**
Present Employer & Designation: GNIT, Assistant Professor	**Total Experience: 12 years**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.

Question	Strongly Agree	Agree	Somewhat agree	Disagree

i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	Employability is given importance in curriculum design and development.	✓			
Q3	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q4	The curriculum satisfies all stakeholder's need	✓			
Q5	The curriculum allows multidisciplinary growth of students	✓			
Q6	The curriculum is well organized		✓		
Q7	The curriculum focuses on design methodology, research and innovation.	✓			
Q8	Faculties are given enough freedom to contribute ideas on curriculum design and development.	✓			
Q9	The system followed by the department for the design and development of curriculum is effective.	✓			
Q10	The curriculum has been updated from time to time.	✓			
Q11	Options for choosing electives are adequate	✓			

Department of Applied Electronics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Road, Panihati
24 Parganas (N), Kolkata-700114

STUDENT FEEDBACK FORM

(2018-17)

(For establishment of Autonomy Curriculum)

Name: ANIRBAN CHAKRABORTY	**Phone No. 8961238655**
Year, Branch: 4th, 2013-17	**E – mail ID:Chakraborty.anirban2@gmail.com**
Present Employer & Designation: -	**Total Experience: -**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.

f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.		✓		
Q2	Employability is given importance in curriculum design and development.	✓			
Q3	Are the teachers prepared and qualified to teach the curriculum	✓			
Q4	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q5	The curriculum satisfies students need		✓		
Q6	Options for choosing electives are adequate	✓			
Q7	The curriculum allows multidisciplinary growth of students	✓			
Q8	The curriculum is well organized	✓			
Q9	The curriculum focuses on design methodology, research and innovation.	✓			

Department of Applied Electrnics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

STUDENT FEEDBACK FORM

(2018-17)

(For establishment of Autonomy Curriculum)

Name: SAUMYADEEP KAR	**Phone No. 8095222686**
Year, Branch: 4th. 2013-17	**E – mail ID: karsaumyadip246@yahoo.co.in**
Present Employer & Designation: -	**Total Experience: -**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.

f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	Employability is given importance in curriculum design and development.	✓			
Q3	Are the teachers prepared and qualified to teach the curriculum		✓		
Q4	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q5	The curriculum satisfies students need	✓			
Q6	Options for choosing electives are adequate	✓			
Q7	The curriculum allows multidisciplinary growth of students		✓		
Q8	The curriculum is well organized	✓			

Q9	The curriculum focuses on design methodology, research and innovation.	✓			

Department of Applied Electronics & Instrumentation Engineering

Guru Nanak Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Road, Panihati
24 Parganas (N), Kolkata-700114

STUDENT FEEDBACK FORM

(2018-17)

(For establishment of Autonomy Curriculum)

Name: NANDITA DAS GUPTA	**Phone No.8961251092**
Year, Branch: 3rd , 2014-18	**E – mail ID:nanda.nandita87@gmail.com**
Present Employer & Designation: -	**Total Experience: -**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.

f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.
g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	Employability is given importance in curriculum design and development.		✓		
Q3	Are the teachers prepared and qualified to teach the curriculum	✓			
Q4	The curriculum developed to prepare students for competitive exams like GATE		✓		
Q5	The curriculum satisfies students need	✓			
Q6	Options for choosing electives are adequate	✓			
Q7	The curriculum allows multidisciplinary growth of students	✓			
Q8	The curriculum is well organized	✓			

Q9	The curriculum focuses on design methodology, research and innovation.	✓			

Department of Applied Electrnics & Instrumentation EngineeringGuru Na

Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

STUDENT FEEDBACK FORM

(2018-17)
(For establishment of Autonomy Curriculum)

Name: TANMOY KUMAR ROY	**Phone No.9674222011**
Year, Branch: 3rd, 2014-18	**E – mail ID: tanmoyroy.m16@gmail.com**
Present Employer & Designation: -	**Total Experience: -**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.	✓			
Q2	Employability is given importance in curriculum design and development.	✓			
Q3	Are the teachers prepared and qualified to teach the curriculum	✓			
Q4	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q5	The curriculum satisfies students need	✓			
Q6	Options for choosing electives are adequate	✓			
Q7	The curriculum allows multidisciplinary growth of students	✓			
Q8	The curriculum is well organized		✓		
Q9	The curriculum focuses on design methodology, research and innovation.		✓		

Department of Applied Electrnics & Instrumentation EngineeringGuru Na

Institute of Technology
(An Autonomous Institute)
157/F Nilgunj Roard, Panihati
24 Parganas (N), Kolkata-700114

STUDENT FEEDBACK FORM

(2018-17)
(For establishment of Autonomy Curriculum)

Name: KANHAIYA SAH	**Phone No.9231831993**
Year, Branch: 3rd, 2014-18	**E – mail ID:kanhaitashah994@gmail.com**
Present Employer & Designation: -	**Total Experience: -**

Programme Educational Objectives (PEOs)

- To develop the ability to apply knowledge of Mathematics, Science, Computing and basic engineering by including the ability to design, analyze and interpret data.
- To develop ability to use modern techniques, skills and engineering tools necessary in Food Technology in global and social context.
- To create the knowledge of professional and ethical responsibilities.
- To make the ability to communicate effectively to function in multi-disciplinary team.
- To develop a knowledge of contemporary issues and ability to engage in life-long learning.

Program Outcomes (POs)

a) **Engineering Knowledge**: Apply knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.
b) **Problem Analysis:** Identify, formulate, research literature and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences and engineering sciences.
c) **Design/ Development of Solutions**: Design solutions for complex engineering problems and design system components or processes that meet specified needs with appropriate consideration for public health and safety, cultural, societal and environmental considerations.
d) **Conduct investigations of complex problems** using research-based knowledge and research methods including design of experiments, analysis and interpretation of data and synthesis of information to provide valid conclusions.
e) **Modern Tool Usage**: Create, select and apply appropriate techniques, resources and modern engineering and IT tools including prediction and modeling to complex engineering activities with an under- standing of the limitations.
f) **The Engineer and Society**: Apply reasoning informed by contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to professional engineering practice.

g) **Environment and Sustainability**: Understand the impact of professional engineering solutions in societal and environmental contexts and demonstrate knowledge of and need for sustainable development.
h) **Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of engineering practice.
i) **Individual and Team Work**: Function effectively as an individual, and as a member or leader in diverse teams and in multi disciplinary settings.
j) **Communication**: Communicate effectively on complex engineering activities with the engineering com- munity and with society at large, such as being able to comprehend and write effective reports and design documentation, make effective presentations and give and receive clear instructions.
k) **Project Management and Finance**: Demonstrate knowledge and understanding of engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
l) **Life-long Learning**: Recognize the need for and have the preparation and ability to engage in independent and life- long learning in the broadest context of technological change.

	Question	Strongly Agree	Agree	Somewhat agree	Disagree
Q1	The present curriculum is aligned with departmental mission.		✓		
Q2	Employability is given importance in curriculum design and development.	✓			
Q3	Are the teachers prepared and qualified to teach the curriculum	✓			
Q4	The curriculum developed to prepare students for competitive exams like GATE	✓			
Q5	The curriculum satisfies students need		✓		
Q6	Options for choosing electives are adequate	✓			
Q7	The curriculum allows multidisciplinary growth of students		✓		
Q8	The curriculum is well organized	✓			
Q9	The curriculum focuses on design methodology, research and innovation.	✓			