# 2021 - 2022 Employer Surrey Record

#### Survey form to assess the level of attainment of student outcomes - Employer

Dear Sir

We express our sincere thanks for continually employing our graduate students over the years. We are sure our student are sufficiently equipped not only to take on the real world but also make a better place to live in through responsible and innovative use of technology.

We solicit your feedback on attainment of the student outcomes (the knowledge, skills and attitudes that students develop during the course of study at TU) of the BE Chemical Engineering program.

Please answer the following questions on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

S.No	Survey questionnaire	Level of attainment (answer on a scale of 1				
	*	1	2	3	4	5
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					<b>V</b>
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences		- I	<b>/</b>		
PO: 3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	= ,		-		<b>/</b>
PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.					<b>/</b>
PO; 5	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 understanding of the limitations.			<b>/</b>		
PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.					<b>/</b>
PO: 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			-	/	
PO: 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.		,	2.		<b>/</b>
PO: 9	individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings,			,	/	
PO: 10	Communication: Communicate effectively on complex engineering activities with the engineering community 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.					<b>/</b>
PO; 11	Project management and finance: Demonstrate knowledge and understanding of the 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.	•		*		<b>/</b>
PO: 12	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.					<b>/</b>
PSO: 1	The students of undergraduate program in Chemical Engineering will have: Basic knowledge of mathematics and sciences, for the solution of engineering problems				/	
PSO: 2	Skill to apply the chemical engineering principles to design, analyze, and control of chemical, physical, and biochemical processes.				/	
PSO: 3	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.			4		

What courses/topics would you life	ke to see offered as UG course at TU or for continuing education to your staff.	
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No		

Overall how satisfied are you with BE Chemical Engineering program at TU and in your opinion how well is the BE Chemical Engineering program meeting its stated educational objectives. Cross-out whichever not applicable. Excellent/V. good/Good/Avg./Poor

Excellent

Your Name	Darsting Circtwani
Your Organization Name	L&T-Chiyoda
Suggestion, if any	yes



Dear Sir

We express our sincere thanks for continually employing our graduate students over the years. We are sure our student are sufficiently equipped not only to take on the real world but also make a better place to live in through responsible and innovative use of technology.

We solicit your feedback on attainment of the student outcomes (the knowledge, skills and attitudes that students develop during the course of study at TU) of the BE Chemical Engineering program.

S.No	Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)					
		1	2	3	4	5		
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics					/		
SO: 2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors				V			
SO: 3	an ability to communicate effectively with a range of audiences			-		/		
SO: 4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts					<b>/</b>		
SO: 5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives				/			
SO: 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions			/	-			
SO: 7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.					1		

Your Name	Darshna Chetwani
Your Organization Name	L&T-Chiyoda
Suggestion, if any	-



#### Dear Sir

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S.No	Survey questionnaire	Level of att. (answer on a sc					
		1	2	3	4	5	
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			V			
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences				_		
PO: 3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.						
PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.			~			
PO: 5	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 understanding of the limitations.				_		
PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.			_			
PO: 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.		_				
PO: 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				\ <u></u>		
PO: 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.						
PO: 10	Communication: Communicate effectively on complex engineering activities with the engineering community 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.			~			
	Project management and finance: Demonstrate knowledge and understanding of the 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.			/			
	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.				_		
	The students of undergraduate program in Chemical Engineering will have: Basic knowledge of mathematics and sciences, for the solution of engineering problems				~	1	
PSO: 2	Skill to apply the chemical engineering principles to design, analyze, and control of chemical, physical, and biochemical processes.				/	1 -	
	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.						

What courses/topics would you like to see offered as UG course at TU or for continuing education to your staff
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	N 1	
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Overall how satisfied are you with BE Chemical Engineering program at TU and in your opinion how well is the BE Chemical Engineering program meeting its stated educational objectives. Cross-out whichever not applicable.

Excellent/V. good/Good/Avg./Poor

Variable.

Your Name	SIDOSh	1
Your Organization Name	CFEES	IDRAO
Suggestion, if any	-	

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Level of attainmen (answer on a scale of						
S.No	Survey questionnaire	1	2	3	4	5
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics				~	
SO: 2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors			~		
SO: 3	an ability to communicate effectively with a range of audiences				~	
SO: 4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts	,				
SO: 5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives					~
SO: 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions				~	
SO: 7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	1				-

Your Name	SNDobhal
Your Organization Name	CPEEL DROD
Suggestion, if any	

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		Level of attainment (answer on a scale of 1 to 5)				
S.No	Survey questionnaire	1	2	3	4	5
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.		,			/
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences					·/
PO: 3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.				-	
PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.				V	
PO: 5	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 understanding of the limitations.					_
PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.					~
PO: 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					-
PO: 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					~
PO: 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					
PO: 10	Communication: Communicate effectively on complex engineering activities with the engineering community 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.					4
PO: 11	Project management and finance: Demonstrate knowledge and understanding of the 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.			,		~
PO: 12	mac pendedit acre into the g			1	~	_
PSO: 1	Dank knowledge of management	1				1
PSO: 2	physical, and biochemical process				~	
PSO: 3	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.					, ~

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What courses/topics would you like to see offered as UG course at TU or for continuing education to your staff,	

1	Overall how satisfied are you with BE Chemical Engineering program at TU and in your opinion how well is the BE Chemical Engineering program meeting its state
	educational objectives. Cross-out whichever not applicable.

Your Name
Your Organization
Name
Suggestion, if any

#### Dear Sir

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		Level of attainment (answer on a scale of 1 to 5)					
S.No	Survey questionnaire		2	3	4	5	
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	,					
SO: 2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors					~	
SO: 3 an ability to communicate effectively with a range of audiences						_	
SO: 4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts				/		
SO: 5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives	- 1					
SO: 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use		/	`			
SO: 7 An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.						/	

Ì	Your Name	Vijay yalaga	
	Your Organization Name	Engineers India limite	1.
	Suggestion, if any	O .	

Brijesh Grysta Rav

# Survey form to assess the level of attainment of student outcomes - Employer

Dear Sir

We express our sincere thanks for continually employing our graduate students over the years. We are sure our student are sufficiently equipped not only to take on the real world but also make a better place to live in through responsible and innovative use of technology.

We solicit your feedback on attainment of the student outcomes (the knowledge, skills and attitudes that students develop during the course of study at TU) of the BE Chemical Engineering program.

Please answer the following questions on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

		Level of attainment (answer on a scale of 1 to 5)					
S.No	Survey questionnaire	1	2	3	4	5	
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				<b>~</b>		
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences			✓			
PO: 3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.			<b>√</b>			
PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.			1			
PO: 5	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 understanding of the limitations.					✓	
PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.		<b>✓</b>		-		
PO: 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓			
PO: 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			` `	<u> </u>	,	
PO: 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.		V				
PO: 10	Communication: Communicate effectively on complex engineering activities with the engineering community 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.			√ <u>,</u>			
PO: 11	Project management and finance: Demonstrate knowledge and understanding of the 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.				,	1	
PO: 12	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.			/		_	
PSO: 1	The students of undergraduate program in Chemical Engineering will have: Basic knowledge of mathematics and sciences, for the solution of engineering problems			1	η,	1	
PSO: 2	Skill to apply the chemical engineering principles to design, analyze, and control of chemical, physical, and biochemical processes.			✓		_	
PSO: 3	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.				/		

What courses/topics would you like to see offered as UG course at TU or for continuing education to your staff,	
What courses/topics would you like to see offered as OG course at 10 of 10 seeming.	

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Overall how satisfied are you with BE Chemical Engineering program at TU and in your o	pinion how well is the BE Chemical Engineering program meeting to store
educational objectives. Cross-out whichever not applicable.	
Europe Condition (Poor	

Excellent/V. good/Good/Avg./Poor

	REENAMOLIN), SR. MANAGER
Your Name	KEENAMOLINI), SKITTINI
Your Organization Name	EIL
Suggestion, if any	

Dear Sir

We express our sincere thanks for continually employing our graduate students over the years. We are sure our student are sufficiently equipped not only to take on the real world but also make a better place to live in through responsible and innovative use of technology.

We solicit your feedback on attainment of the student outcomes (the knowledge, skills and attitudes that students develop during the course of study at TU) of the BE Chemical Engineering program.

	Survey questionnaire	Level of attainment (answer on a scale of 1 to 5)				
S.No		1	2	3	4	5
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics	295			<b>/</b>	,
SO: 2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors			<b>✓</b>		
SO: 3	an ability to communicate effectively with a range of audiences					<b>/</b>
SO: 4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts			-	/	
SO: 5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives		/			
SO: 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions			/		
SO: 7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.					

Your Name	REENAMOL-N), SR, MANAGER
Your Organization Name	EIL
Suggestion, if any	

Student name: DEEPANJAN MAITRA (101801001); Facults: RM

# Survey form to assess the level of attainment of student outcomes – Employer

Dear Sir

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Please answer the following questions on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

		Level of allainment (answer on a scale of 1 to 5)					
s.No	Survey questionnaire	1	2	3	4	5	
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			V			
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences				/		
PO: 3	Design development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs will appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.			/			
PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions						
PO: 5	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 understanding of the limitations.						
PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.						
PO: 7	Environment and sustainability. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.		V		,		
PO: \$	Ethnes: Apply ethneal principles and commit to professional ethics and responsibilities and norms of the engineering practice.			WAX	$\checkmark$		
PO: 9	individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.		ANA		V	7	
PO: 10	Communication: Communicate effectively on complex engineering activities with the engineering community 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.			<u> </u>			
PO: 11	Project management and finance: Demonstrate knowledge and understanding of the 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.						
20:12	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.				~		
50:1	The students of undergraduate program in Chemical Engineering will have: Basic knowledge of mathematics and sciences, for the solution of engineering problems						
50:1	Skill to apply the chemical engineering principles to design, analyze, and control of chemical, physical, and biochemical processes.				V		
PSO: 3	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.						

What courses looks would you li	e to see offered as UG course at	TU or for continuing education to your staff.

NO

Overall how satisfied are you with BE Chemical Engineering program at TU and in your opinion how well is the BE Chemical Engineering program meeting its stated educational objectives. Cross-out whichever not applicable.

Excellent/V. good/Good/Avg./Poor

Your Name	SP.Dobh	al
Your Organization Name	CFEES	DRDO
Suggestion if any		

Daar Si

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S.No	Survey guestlemastre		i.e.			
	Survey questionnaire	1	2	3	4	5
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics				V	
\$0:2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors			V		No. of the second
50:3	an ability to communicate effectively with a range of audiences			To Fig.	10	Labor A. pri
50:4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts			Loyl		~
\$0:5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives	17.4		L P	7.5	~
SO: 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions		123	- A		11.4.7
SO: 7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	- 95-4		d	4 1	1

Your Name	SIDO	ral
Your Organization Name	CPEES	the second state of the second second
Suggestion, if any		

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				of attain				
S.No	Survey questionnaire		(answer	on a scale	of 1 to 5)	1 1 10 5)		
		1	2	3	4	5		
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				V			
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences				V			
PO: 3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.				V			
PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.				<b>/</b>			
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PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.					<b>/</b>		
PO: 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				<b>/</b>			
PO: 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			,		<b>/</b>		
PO: 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					~		
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PO: 11	Project management and finance: Demonstrate knowledge and understanding of the 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.							
PO: 12	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.	•			<b>/</b>			
PSO: 1	The students of undergraduate program in Chemical Engineering will have: Basic knowledge of mathematics and sciences, for the solution of engineering problems					<b>/</b>		
PSO: 2	Skill to apply the chemical engineering principles to design, analyze, and control of chemical, physical, and biochemical processes.				,	_ ~		
PSO: 3	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.							

What courses/topics would you like to see offered as UG course at TU or for continuing education to your staff.	
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Exercise some and Later Exercise Exerci	
S EVIVIOUS TOURS	
> Environmental & Energy Engineering > Integrated Industrial Safety Engineering	CALLY C.
> Intervated Industrial > Afely Swilleduck	
Which Bright Street Chaminal Engineering program	am meeting its stated
Overall how satisfied are you with BE Chemical Engineering program at TU and in your opinion how well is the BE Chemical Engineering program	in meeting its states
O'Clair non second for	

Overall how satisfied are you with BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well is the BE Chemical Engineering program at 10 and in your opinion now well in your opinion now well in your opinion now well at 10 and 10

Your Name	STARLADATHI PAT
Your Organization Name	TBRL - DRDO
Suggestion, if any	

Dear Sir

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		Level of attainment (answer on a scale of 1 to 5)					
S.No	Survey questionnaire	1 2		3	4	5	
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics						
SO: 2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors				V		
SO: 3	an ability to communicate effectively with a range of audiences						
SO: 4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts				$\checkmark$		
SO: 5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives				V/		
SO: 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions						
SO: 7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.						

Your Name	S. THACADATHI PAJ
Your Organization Name	TBRL - DRDO.
Suggestion, if any	

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Please answer the following questions on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

S.No	Surgey supertingues in			el of attains		
S.No	Survey questionnaire			on a scale		
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	1	2	3	4	5
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences	_	_	_	-	5
PO: 3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.	_	_	_	4	_
PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.		_	_	4	_
PO: 5	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 understanding of the limitations.			_		5
PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.	_		1	1	5
PO: 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	_	_	1	-	5
PO: 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	_	_	_	_	5
PO: 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	_	-	_	_	5
PO: 10	Communication: Communicate effectively on complex engineering activities with the engineering community 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.	_	_	_	4	
PO: 11	Project management and finance: Demonstrate knowledge and understanding of the 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.		_	_	_	5
PO: 12	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.	_	_	-	_	5
PSO: 1	The students of undergraduate program in Chemical Engineering will have: Basic knowledge of mathematics and sciences, for the solution of engineering problems	_	_	_	-	5
PSO: 2	Skill to apply the chemical engineering principles to design, analyze, and control of chemical, physical, and biochemical processes.	_	_		_	5
PSO: 3	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.	_	-	1	_	5

		see offered as UG course at TU or for contin	,
-Shor	term course on	basic Chemical	Chemistry mechanical expiners etc.
l	of other	aisapline such as	Chemistry, Mechanical engineers etc.

Overall how satisfied are you with BE Chemical Engineering program at TU and in your opinion how well is the BE Chemical Engineering program meeting its stated educational objectives. Cross-out whichever not applicable.

Excellent/V-good/Good/Avg./Poor-

Your Name	DR SURINDER KUMPR
Your Organization Name	TBRL, SECTOR - 30 CHANDIGARH
Suggestion, if any	

We express our sincere thanks for continually employing our graduate students over the years. We are sure our student are sufficiently equipped not only to take on the real world but also make a better place to live in through responsible and innovative use of technology.

We solicit your feedback on attainment of the student outcomes (the knowledge, skills and attitudes that students develop during the course of study at TU) of the BE Chemical Engineering program.

S.No	Survey questionnaire	Level of attainment (answer on a scale of 1 to 5)						
			(	Oli a scale	01 1 to 5)	_		
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics		2	3	4	5		
SO: 2	An ability to apply engineering design to produce		_	_	_	5		
70. 2	and economic factors as well as global, cultural, social, environmental,		_	_	_	5		
0:3	an ability to communicate effectively with a range of audiences			-				
0:4	An ability to recognize ethical and professional responsibilities in engineering situations and make	_	_	_	4	_		
	An ability to function effectively on a second			_	_	5		
2.6	An ability to develop and conduct an reprinted any reprinted and rest objectives	_				5		
		_	_	_	_	5		
	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.	_		_	4			

Your Name	DR SURINDER KUMAR
Your Organization Name	TBRL, SECTOR-30 CHANDIGARY.
Suggestion, if any	- SO CHANDIG TRY.

Survey form to assess the	evel of attainment of student	Outcomes - Employer
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Please answer the following questions on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

S.No	Community			on a scale		
5.NO	Survey questionnaire	1	2	3	4	5
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					~
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences					~
PO: 3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.				1	
PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.				/	
PO: 5	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 understanding of the limitations.				~	
PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.				~	
PO: 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.		,		1	
PO- 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					1
PO: 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					1
PO: 10	Communication: Communicate effectively on complex engineering activities with the engineering community 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.					~
PO: 11	Project management and finance: Demonstrate knowledge and understanding of the 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.				/	
PO: 12	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.					1
1:029	The students of undergraduate program in Chemical Engineering will have: Basic knowledge of mathematics and sciences, for the solution of engineering problems					~
PSO: 2	Skill to apply the chemical engineering principles to design, analyze, and control of chemical, physical, and biochemical processes.					/
PSO: 3	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.					1

What courses/topics would you like to see offered as UG course	at TU or for continuing education to your staff.	
	· ·	

Overall how satisfied are you with BE Chemical Engineering program at TU and in your opinion how well is the BE Chemical Engineering program meeting its stated educational objectives. Cross-out whichever not applicable.

Excellent/V. good/Good/Avg./Poor

		1) 10	
ı	Your Name	अना मंगार	
	Your Organization Name	ठीव अम्हर्वा अपेर,	धीनोहडाए एल्वे
	Suggestion, if any		

Dear Sir

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BE Chemical Engineering program.

S.No	Survey questionnaire	Level of attainment (answer on a scale of 1 to 5)					
	-, quastraintaile	1	2	3	4	5	
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics					~	
SÖ: 2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors						
SO: 3	an ability to communicate effectively with a range of audiences				~		
SO: 4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts				/		
SO: 5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives					/	
SO: 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions				~		
SO: 7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.						

1	Your Name	7017 7011	
	Your Organization Name	Te surego ago of Apsulo Ka	10
	Suggestion, if any		

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	Survey questionnaire			of attair	e of 1 to 5)	
S.No		1	2	3	4	5
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	_				~
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences					~
PO: 3	Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.				/	
PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.					~
PO: 5	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 understanding of the limitations.				V	
PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.				/	
PO: 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	>			/	
PO: 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					/
PO: 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					V
PO: 10	Communication: Communicate effectively on complex engineering activities with the engineering community 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				<b>/</b>	
PO: 11	Project management and finance: Demonstrate knowledge and understanding of the 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.				/	
PO: 12	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.					
PSO: 1	The students of undergraduate program in Chemical Engineering will have: Basic knowledge of mathematics and sciences, for the solution of engineering problems					
PSO: 2	Skill to apply the chemical engineering principles to design, analyze, and control of chemical, physical, and biochemical processes.					/
PSO: 3	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.					/

What courses/topics would you like to see offered as UG course at TU or for continuing education to your staff.		

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Excellent/V: good/Good/Avg./Poor

Your Name
Your Organization
Name

Suggestion, if any

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<b>S.No</b>	Survey questionnaire	Level of attainment (answer on a scale of 1 to				
		1	2	3	4	5
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics					
SO: 2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors				V	
SO: 3	an ability to communicate effectively with a range of audiences	-			-	_
SO. 4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts					
SO 5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives					
SO: 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions				~	
SO: 7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.					+

Your Name	MAHENH KUMAR
Your Organization Name	TBRL- DROO
Suggestion, if any	

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			Leve	el of attainn	nent		
S.No	Survey questionnaire -		(answer	on a scale	of 1 to 5)	)	
50	Survey questionnance	1	2	3	4	5	
PO: 1	Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				4		
PO: 2	Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences				4		
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PO: 4	Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.				4		
PO: 5	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 understanding of the limitations.			,	4		
PO: 6	The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.		b		4		
PO: 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				4		
PO: 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					5	
PO: 9	Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					5	
PO: 10	Communication: Communicate effectively on complex engineering activities with the engineering community 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.	5			4		
PO: 11	Project management and finance: Demonstrate knowledge and understanding of the 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.			3			
PO: 12	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.				L		
PSO: 1	The students of undergraduate program in Chemical Engineering will have: Basic knowledge of mathematics and sciences, for the solution of engineering problems					5	
PSO: 2	Skill to apply the chemical engineering principles to design, analyze, and control of chemical, physical, and biochemical processes.				4		
PSO: 3	The ability to conceive and implement sustainable solutions with appropriate consideration for the public health and safety, societal, and environmental considerations.				K		

		red as UG course at 10 or for continuing education to your stati.		
>	Internted 2	ndustrial satisfy Eng	Course.	
				negram meeting its stated

Overall how satisfied are you with BE Chemical Engineering program at TU and in your opinion how well is the BE Chemical Engineering program meeting its stated educational objectives. Cross-out whichever not applicable.

Excellent/V. good/Good/Avg./Poor

Excellent

Your Name	S. THALAPATHI PAT
Your Organization Name	TBRL - DRDO
Suggestion, if any	

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3.110		1	2	3	4	5
SO: 1	An ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics				4	
SO: 2	An ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors			-	4	
SO: 3	an ability to communicate effectively with a range of audiences					5
SO: 4	An ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts				4	
SO: 5	An ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives				4	
SO: 6	An ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions				4	
SO: 7	An ability to acquire and apply new knowledge as needed, using appropriate learning strategies.				4	

Your Name	S. THACAPATHI	DAS
Your Organization Name	TBRL - DRDO	
Suggestion, if any		