

### Analysis of graduating student survey (2017 passing out students)

S.NO	Questionnaire no	% of students in each score					
		5	4	3	2	1	
1	<b>Engineering knowledge:</b> Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.	24	45	26	5	-	3.88
2	<b>Problem analysis:</b> Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.	34	44	18	4	-	4.08
3	<b>Design/development of solutions:</b> 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.	9	62	24	5	-	3.75
4	<b>Conduct investigations of complex problems:</b> 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.	27	49	19	5	-	3.98
5	<b>Modern tool usage:</b> 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.	36	40	21	3	-	4.09
6	<b>The engineer and society:</b> 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.	24	55	19	2	-	4.01
7	<b>Environment and sustainability:</b> Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	23	50	21	4	2	3.88

8	<b>Ethics:</b> Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.	39	41	17	3	-	4.16
9	<b>Individual and team work:</b> Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	30	46	19	5	-	4.10
10	<b>Communication:</b> 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.	40	37	21	2	-	4.15
11	<b>Project management and finance:</b> 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.	29	45	21	5	-	3.98
12	<b>Life-long learning:</b> 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.	28	42	23	5	2	3.89

$$P01 = 3.88$$

$$P02 = 4.08$$

$$P03 = 3.75$$

$$P04 = 3.98$$

$$P05 = 4.09$$

$$P06 = 4.01$$

$$P07 = 3.88$$

$$P08 = 4.16$$

$$P09 = 4.10$$

$$P010 = 4.15$$

$$P011 = 3.98$$

$$P012 = 3.89$$

## Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.					✓
6	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.		✓			
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			✓		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.			✓		
11	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.					✓
12	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.			✓		

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Atul Tawal Regd. No.: 101302024

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

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3	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	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.				✓	
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.				✓	
11	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.					✓
12	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.			✓		

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Nikhil Singla Regd. No.: 101302058

Suggestion, if any: Kindly try to systemise the syllabus in a more better way.

## Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
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<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			✓		
3	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	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.			✓		
5	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.			✓		
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			✓	✗	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.		✓			
10	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.			✓		
11	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.		✓			
12	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.			✓		

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Alok Modi Regd. No.: 101302010

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

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Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.					✓
11	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.					✓
12	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.					✓

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Maruti Suzuki, GET

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Shubham Sharma

Suggestion, if any: \_\_\_\_\_ Regd. No.: 101302081

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.			✓		
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.				✓	
11	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.					✓
12	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.			✓		

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M.Tech

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Harpreet Singh Regd. No.: 101302037

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

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1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.			✓		
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.				✓	
11	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.					✓
12	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.			✓		

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M Tech

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Haspreet Singh Regd. No.: 101302037

Suggestion, if any: \_\_\_\_\_



### Survey form to assess the level of attainment of program outcomes – Graduating Students

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3	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	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.				✓	
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10	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.			✓		
11	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.				✓	
12	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.			✓		

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable  
(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M. Tech

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Tsewang Gyaltzen

Regd. No.: 101302089

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes – Graduating Students

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12	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.					✓

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M-Tech

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Rishav Raj Singh Regd. No.: 101302074

Suggestion, if any: \_\_\_\_\_

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11	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.				✓	
12	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.					✓

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M. Tech

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Rajat Chauhan Regd. No.: 101302069

Suggestion, if any: \_\_\_\_\_

### Survey form to assess the level of attainment of program outcomes – Graduating Students

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9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.			✓		

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M.E. Civil Engg

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Amanpreet Singh Regd. No.: 101482002

Suggestion, if any: \_\_\_\_\_

*Amanpreet Singh*

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.					✓
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.					✓

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Jashir Singh Regd. No.: 10/482004

Suggestion, if any: \_\_\_\_\_

Jashir

## Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.					✓
5	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.					✓
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.				✓	
11	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.					✓
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): MBA

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Rishabh Barbar Regd. No.: 101482013

Suggestion, if any: \_\_\_\_\_

## Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.					✓

What do you plan to do after graduation at TU? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): No

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Abhishek Singh Regd. No.: 101302005

Suggestion, if any: \_\_\_\_\_

## Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.					✓

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree):     No    

(c) Entrepreneur (specify):     No    

Student Name:     Praveen Kumar     Regd. No.:     101302066    

Suggestion, if any: \_\_\_\_\_



Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.		✓			
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.			✓	✓	
11	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.			✓		
12	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.					✓

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: S A J A L G U P T A Regd. No.: 101302077

Suggestion, if any: Classes of Report Making should be introduced.

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.		✓			
5	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.		✓			
6	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.			✓		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.		✓			
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.			✓		
11	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.					✓
12	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.			✓		

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): SPECTRA MEDIX

(b) Higher education (give the title of degree): (AS JUNIOR DEVELOPER)

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Deepak Singh

Regd. No.: 101302030

Suggestion, if any: Software Learning should be encouraged.

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.					✓
11	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.					✓
12	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.				✓	

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M.Tech, IITM

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: AYUSH GUPTA

Regd. No.: 101302001

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<b>I will be able to:</b>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.		✓			
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.			✓		
5	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.			✓		
6	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.			✓		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.			✓		
11	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.				✓	
12	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.			✓		

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Ankur Sharma Regd. No.: 101302014

Suggestion, if any: Software learning should be engaged properly

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.					✓
5	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.					✓
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.				✓	
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): NO

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Ashish Regd. No.: 101302021

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.				✓	
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): NO

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Himanshu Panjor. Regd. No.: 101302038

Suggestion, if any: \_\_\_\_\_

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great level of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.			✓		
5	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.			✓		
6	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.			✓		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			✓		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.			✓		
11	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.			✓		
12	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.				✓	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): SQUADRON

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: AKSHAT MATHEUR Regd. No.: 101302001

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
	<i>I will be able to:</i>					
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.			✓		
5	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.			✓		
6	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.			✓		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.				✓	
11	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.			✓		
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): MS in STRUCTURAL ENGINEERING (UNIVERSITY OF CALIFORNIA)

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Divya Sharma Regd. No.: 101302033 SAN DIEGO

Suggestion, if any: \_\_\_\_\_



Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement of skill, and 5 indicates great level of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.					✓
5	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.			✓		
6	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.			✓		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.				✓	
11	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.				✓	
12	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.		✓			

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Must be joining family business

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Aruna Sindal Regd. No.: 101302048

Suggestion, if any: Apart from giving theoretical knowledge give exposure for practical prob. also.

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great level of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.			✓		
5	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.			✓		
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			✓		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.			✓		
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Jubilant Life Sciences  
(Graduate) Engineering Trainee)

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Shina Regd. No.: 101302079

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.					✓
5	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.					✓
6	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.			✓		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			✓		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.				✓	
11	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.			✓		
12	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.				✓	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): MBA

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Ayush Jindal Regd. No.: 101482003

Suggestion, if any: 2017

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.				✓	
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.					✓

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): To establish my own construction firm.

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Navjot Singh

Regd. No.: 101302055

Suggestion, if any: 2017

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	✓
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): not given

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): NO

Student Name: Jaspreet Singh Regd. No.: 10130204

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement of skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				/	
5	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.				/	
6	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.				/	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				/	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				/	
10	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.					✓
11	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.				✓	
12	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.					/

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M. Tech

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Swarnil Regd. No.: 101302086

Suggestion, if any: \_\_\_\_\_

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

	Survey questionnaire	Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			✓		
3	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	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.					✓
5	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.		✓			
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.				✓	
11	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.					✓
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): Govt. Job.

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Tarun Verma Regd. No.: 101302087

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great degree of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			✓		
3	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	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.			✓		
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			✓		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.				✓	
11	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.			✓		
12	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.			✓		

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Gaut Jobs

(b) Higher education (give the title of degree): B. Tech

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Taranjeet Singh Regd. No.: 101302088

Suggestion, if any: \_\_\_\_\_



**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			✓		
3	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	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.					✓
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.		✓			
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				/	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.			✓		
11	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.			✓	✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): BE

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Aditya Ven Regd. No.: 101482001

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.					✓
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.					✓

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Rohit Garg Regd. No.: 101302071

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE (Civil) Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great level of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.				✓	
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.				✓	✓

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): ME (Transfer into Eng.)

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Lalit Dhalla Regd. No.: 101982002

Suggestion, if any: 2017

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<b>I will be able to:</b>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.					✓
11	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.			✓	✓	
12	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.			✓		

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): Master's Management

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Chay Jang Regd. No.: 101302028

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE (Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.					✓
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.					✓
11	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.					✓
12	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.			✓		

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): GTE et NG Smlre.

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: PRINCE KUMAR Regd. No.: 10148207

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.				✓	
11	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.				✓	
12	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.					✓

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Trilune Energy Limited, New Del.

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Manpreet Singh Regd. No.: 101302052

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.				✓	
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.				✓	
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Chicago Bridge & Iron. Gurgaon

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Paranjit Singh Regd. No.: 101302061

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<b>I will be able to:</b>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			/		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				/	
3	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	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.				/	
5	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.				/	
6	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.				/	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				/	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			/		
10	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.				/	
11	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.			/		
12	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.		/	/		

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): constitute own Business

Student Name: Shubham Singh Regd. No.: 101482015

Suggestion, if any: \_\_\_\_\_



**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					/
3	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	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.					/
5	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.					✓
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					/
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					/
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					/
10	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.				/	
11	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.					/
12	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.				/	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: S. Akhbar Singh Sarda Regd. No.: 101302078

Suggestion, if any: \_\_\_\_\_

## Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			✓		
3	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	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.					✓
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.					
11	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.					✓
12	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.					✓

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): Construction Company

Student Name: Avinash Phor Regd. No.: 101302025

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			✓		
3	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	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.				✓	
5	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.			✓		
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.			✓		
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable  
 (a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_ M.E.

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Amit Tapsal

Suggestion, if any: \_\_\_\_\_ Regd. No.: 101302024

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.		✓			
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.		✓			
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable  
 (a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Sahil Rawat

Regd. No.: 101302076

Suggestion, if any: \_\_\_\_\_

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.				✓	
11	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.					✓
12	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.				✓	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Chicago Bridge Gurgood

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): Mobil

Student Name: \_\_\_\_\_

Regd. No.: 101982010

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
	<i>I will be able to:</i>					
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			/		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			/		
3	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	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.			/		
5	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.			/		
6	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.				/	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				/	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			/		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.		/			
10	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.			/		
11	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.		/			
12	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.			/		

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Anant Sahel Regd. No.: 101302012

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes - Graduating Students

The students who have completed the program have been assigned with identifying an outcome (the knowledge, skills and abilities) that is expected to be attained by the end of the program. The students of graduating class are requested to answer the survey form to assess the level of attainment of the student outcomes set for the program. The students are requested to rate the level of attainment of the student outcomes on a scale of 1 to 5, where 1 and 2 indicates great deal of

Survey questionnaire

	I will be able to	Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.				✓	
11	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.				✓	
12	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.					✓

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable

(a) Employment (give details like employer name) Assistant Engineer Tata (Casualty Service)

(b) Higher education (give the title of degree) \_\_\_\_\_

(c) Entrepreneur (specify) \_\_\_\_\_

Student Name Sahin Maggo Regd No: 101302046

Suggestion, if any \_\_\_\_\_

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.					✓
5	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.					✓
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.					✓
11	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.					✓
12	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.					✓

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Preparing for JGS

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): Dinesh Kumar

Student Name: Dinesh Kumar . Regd. No.: 101302032

Suggestion, if any: Good, but need improvement in CAD, STAAD Pro labs.



**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.					✓
11	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.					✓
12	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.					✓

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Aman Garg Regd. No.: 101302011

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				/	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				/	
3	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	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.			/		
5	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.				/	
6	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.			/		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				/	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			/		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			/		
10	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.				/	
11	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.			/		
12	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.				/	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Kulwinder Singh Regd. No.: 101302099

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.		✓			
3	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	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.		✓			
5	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.			✓		
6	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.			✓		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.		✓			
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.		✓			
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.		✓			
10	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.			✓		
11	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.		✓			
12	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.		✓			

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable  
 (a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M. Tech

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Jalpreet Singh Wahi Regd. No.: 101202030

Suggestion, if any: \_\_\_\_\_

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.					✓
5	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.				✓	
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.					✓
11	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.					✓
12	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.					✓

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): Govt. Exams Preparation

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Gurkirat Singh Regd. No.: 101302035

Suggestion, if any: No

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					
3	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	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.				✓	
5	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.					✓
6	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.					
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Pratak Gupta Regd. No.: 101302065

Suggestion, if any: \_\_\_\_\_

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.				✓	
6	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.		✓			
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.				✓	
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): Post graduate diploma

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Parddeep Singh Regd. No.: 101202050

Suggestion, if any: \_\_\_\_\_

## Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.			✓		✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.				✓	
6	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.			✓		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.					
11	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.					✓
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): ME

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Sukhwinder Singh Regd. No.: 101302084

Suggestion, if any: \_\_\_\_\_

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.		✓			
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.		✓			
5	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.					✓
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.					✓
11	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.				✓	
12	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.					✓

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): M. Tech

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Prabhat Kaur Regd. No.: 101302064

Suggestion, if any: \_\_\_\_\_



### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.		✓			
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.		✓			
5	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.					✓
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.					✓
11	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.			✓		
12	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.					✓

What do you plan to do after graduation at TU? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): ✓ \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Akshu Bagga Regd. No.: 101302009

Suggestion, if any: \_\_\_\_\_

## Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes: the knowledge, skills and attitudes that students develop during the course of study. The students of graduating class are requested to answer the Questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement of skill and 5 indicates great level of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.				✓	
5	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.					✓
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.					✓
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.				✓	
11	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.					✓
12	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.					✓

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Kanwarpal Singh Regd. No.: 101482005

Suggestion, if any: \_\_\_\_\_

## Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.					✓
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.					✓
3	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	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.					✓
5	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.					✓
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.					✓
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.					✓
10	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.					✓
11	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.					✓
12	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.					✓

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Parneet Parmy

Regd. No.: 101482011

Suggestion, if any: \_\_\_\_\_

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			✓		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.			✓		
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): \_\_\_\_\_

(b) Higher education (give the title of degree): masters

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Jabarjano Singh Regd. No.: 101302040

Suggestion, if any: \_\_\_\_\_

### Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			✓		
3	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	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.				✓	
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.					✓
11	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.			✓		
12	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.				✓	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Government job

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Sapreet Singh

Regd. No.: 101302085

Suggestion, if any: No, thank

Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.				✓	
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.				✓	
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.					✓
11	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.			✓		
12	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.				✓	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Government job

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Labhdeep Singh Regd. No.: 101302050

Suggestion, if any: No, thanks

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.		✓			
3	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	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.			✓		
5	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.			✓		
6	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.					✓
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.	✓				
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			✓		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.		✓			
11	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.			✓		
12	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.	✓	✓			

What do you plan to do after graduation at TU.? Tick ( ✓ ) whichever is applicable

(a) Employment (give details like employer name): Govt. job

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Vaibhav Kirti Sharma Regd. No.: 101302090

Suggestion, if any: No. thank.

**Survey form to assess the level of attainment of program outcomes – Graduating Students**

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great degree of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.			✓		
3	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	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.					✓
5	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.					✓
6	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.				✓	
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.				✓	
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.				✓	
10	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.				✓	
11	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.				✓	
12	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.				✓	

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Fitso

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Raman Regd. No.: 101302070

Suggestion, if any: \_\_\_\_\_



Survey form to assess the level of attainment of program outcomes – Graduating Students

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge, skills and attitudes that students develop during the course of study). The students of graduating class are requested to answer the questionnaire given in this form to assess how well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement (or skill) and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I will be able to:</i>						
1	Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.				✓	
2	Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.				✓	
3	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	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.				✓	
5	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.			✓		
6	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.			✓		
7	Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.			✓		
8	Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.			✓		
9	Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.			✓		
10	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.				✓	
11	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.			✓		
12	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.			✓		

What do you plan to do after graduation at TU.? Tick (✓) whichever is applicable

(a) Employment (give details like employer name): Working in L&T ECC

(b) Higher education (give the title of degree): \_\_\_\_\_

(c) Entrepreneur (specify): \_\_\_\_\_

Student Name: Dalerjet Singh Chahal Regd. No.: 101302029

Suggestion, if any: None