Analysis of graduating student survey (2017 passing out students)

| S.NO Questionnaire no % of students in ea score | | | | | | ach | |
|---|---|-----|----|----|---|-----|---------|
| | Questionian e no | 5 | 4 | 3 | 2 | 1 | |
| L | Engineering knowledge : Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | 31. | 45 | 26 | 5 | - | (1) |
| 2 | Problem analysis : Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. | 31. | 44 | 18 | 4 | - | 4 |
| 3 | Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental Considerations. | 9 | 62 | 24 | 5 | _(| 3 |
| 4 | Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. | 27 | 49 | 19 | 5 | _ (| 3 |
| 5 | Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations. | 36 | 40 | 21 | 3 | _(4 | 1.0 |
| 6 | The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice. | 24 | 55 | 19 | 2 | 4. | - 21 |
| 7 | Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | 23 | 50 | 21 | 4 | 2 | 3. |

| | Table 1 | | | | | | 1 |
|----|---|----|----|----|---|-----|--------|
| 8 | Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | 39 | 41 | 17 | 3 | - | 4.16 |
| 9 | Individual and team work: 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 | Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions. | 40 | 37 | 21 | 2 | - (| 4.15 |
| 11 | Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. | 29 | 45 | 21 | 5 | _(| 3.98 |
| 12 | Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change. | 28 | 42 | 23 | 5 | 2 | 3.89 |

$$P01 = 3.88$$
 $P02 = 4.08$
 $P03 = 3.75$
 $P04 = 3.98$
 $P05 = 4.09$
 $P06 = 4.01$
 $P07 = 3.88$
 $P08 = 4.16$

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 questionnaira given in this form to assess how well they judge they have attained the student outcomes set for the program Please answer the questionnaira on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal or achievement.

| | Survey questionnaire | 1 - 7 | | of atta on a s 5) | | |
|----|--|-------|---|-------------------------|----------|----------|
| | I will be able to | 1 | 2 | 3 | 4 | 5 |
| 1 | I will be able to: 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. | | | / | | |

| | and leader in a team, to manage projects and in environments. | | |
|---------|--|--|--|
| 12 | Recognize the need for, and have the preparation and ab independent and life-long learning in the broadest context change. | ility to engage in t of technological | |
| (a) En | do you plan to do after graduation at TU.? Tick (√) whichen ployment (give details like employer name): | ever is applicable | |
| (b) Hig | gher education (give the title of degree): | | |
| Chude | trepreneur (specify): nt Name: Atul. Taugl Reg estion, if any: | gd. No.: 10 130 20 21 | |
| | | | |

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| | Survey questionnaire | | | Level of attainment (answer on a scale of 1 t 5) | | | | | | |
|----|--|---|---|--|----------|---|--|--|--|--|
| | | 1 | 2 | 3 | 4 | 5 | | | | |
| | I will be able to: | | | | \vdash | - | | | | |
| 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. | | | | 1 | | | | | |
| 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. | | | | 1 | | | | | |
| 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. | | | | | V | | | | |
| 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. | | | / | | | | | | |

| 1100 / |) whichever is applicable |
|--|--|
| Employment (give details like employer name): | |
| b) Higher education (give the title of degree): | UNA CONTRACTOR OF THE CONTRACT |
| tudent Name: Nikhil Singla. | Regd. No.: 10 13 0 20 5 8 |
| tudent Name: Nikhil Single. Suggestion, if any: Kindly try to system | mule the syllabus in a more |
| better way. | |

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| | Survey questionnaire | 10000 P.S | | of attai n a sc: 5) | | |
|------------|--|-----------|---|---------------------------|---|---|
| _ | I will be able to: | 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. | | | 1 | | |
| 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. | | | | x | |
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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. | | | / | | |
| at d Em | do you plan to do after graduation at TU.? Tick (√) whichever is applicable ployment (give details like employer name): | | | | | |
| | her education (give the title of degree): | | | | | |

Suggestion, if any:_

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| | Survey questionnaire | Level of attainme (answer on a scale of 5) | | | | | |
|----|--|--|----|---|---|---|--|
| | • | 1 | 2 | 3 | 4 | 5 | |
| _ | I will be able to: | | | - | - | | |
| 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. | | | | / | | |
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| 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. | | | | | 1 | |
| 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. | | | | ~ | | |
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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. | | | | | ~ | |
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| | do you plan to do after graduation at TU.? Tick (√) whichever is applicable ployment (give details like employer name): Masura: Suguki her education (give the title of degree): | G | Eτ | | | | |

| | independent and life-long learning in the broade change. | est context of technological | |
|---------|---|--|---|
| | do you plan to do after graduation at TU.? Tick (nployment (give details like employer name): | No whichever is applicable naruti Suguki GET | |
| (D) His | gher education (give the title of degree):trepreneur (specify): | 0) 5/6 | |
| Stude | | | |
| Sugge | nt Name: Shubham Sharma estion, if any: | Regd. No.: 101302081 | |
| | | | _ |
| | | | |

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| | Survey questionnaire | Level of attainment (answer on a scale of 1 5) | | | | |
|----|--|--|---|---|----|---|
| | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | - | - | | |
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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. | | | | / | |
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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 a) Employment (give details like employer name): _ | (√) whichever is applicable |
|--|-------------------------------|
| b) Higher education (give the title of degree): | ·Tech |
| c) Entrepreneur (specify): | Regd. No.: 101302037 |

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| | Survey questionnaire | | | f attair a sca 5) | | |
|----|--|--------|------------|-------------------------|----|---|
| | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | T | | | | |
| 1 | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | ~ | | |
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| 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 | - | | 1 | _ | ~ |
| 9 | Function effectively as an individual, and as a member or leader in diverse | - | | | _ | V |
| 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. | | | | V | |
| 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 | | The second | | | ~ |
| 12 | the mood for and have the preparation and ability to engage in | n l | | V | 1 | |

| | change. | 1000 |
|-------|---|--|
| a) Er | do you plan to do after graduation at imployment (give details like employer igher education (give the title of degre | TU.? Tick (√) whichever is applicable name): |
| c) Er | ntrepreneur (specify): | Regd. No.: 101302037 |

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| | Survey questionnaire | | | f attair n a sca 5) | | |
|----|--|---|---|---------------------------|---|---|
| 1 | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | | | | |
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| 8 | responsibilities and norms of the engineering practice. | - | | V | | |
| 9 | teams, and in multidisciplinary settings. | - | 1 | | ~ | _ |
| 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. | | | ~ | | |
| 1 | Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. | | | | ~ | 1 |
| 1 | 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. | d | | / | 1 | |

| | independent and life-long learning in the Broduct comments of the broduct comm | |
|--------|--|------|
| (a) Er | do you plan to do after graduation at TU.? Tick (1) whichever is applicable mployment (give details like employer name): | |
| (c) El | igher education (give the title of degree): M. Tech ntrepreneur (specify): ent Name: Trewang (nyaltee Regd. No.: 10130 gestion, if any: | 2089 |

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| | Survey questionnaire | | | f attai n a sc 5) | | |
|----|--|---------|---|-------------------------|---|---|
| - | | 1 | 2 | 3 | 4 | 5 |
| - | I will be able to: | | | | - | |
| 1 | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | / | | |
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| 7 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | | | | | V |
| 8 | Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | | | | 1 | |
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| 1 | 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. | 7 | | | / | |
| 1: | 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. | n ll | | | | |

| | management principles and apply these to one's own wor and leader in a team, to manage projects and in n environments. | k, as a member | |
|----------------------------------|--|-----------------------------------|---|
| 12 | Recognize the need for, and have the preparation and abil independent and life-long learning in the broadest context change. | ity to engage in of technological | |
| a) Er b) Hi c) Er Stude | do you plan to do after graduation at TU.? Tick (√) whiche mployment (give details like employer name): | gd. No.: 1 0130 20 74 | = |
| | | | |

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| | Survey questionnaire | (ans | wer o | f attair n a sca 5) | le of | 1 to |
|----|--|------|-------|---------------------------|-------|------|
| 1 | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | | | - | |
| 1 | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | | | |
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| 7 | Understand the impact of the professional engineering solutions in societar and environmental contexts, and demonstrate the knowledge of, and need | | | / | | |
| 8 | Apply ethical principles and commit to professional ethics and | _ | - | | / | - |
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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 comprehend and write and give and receive clear instructions. | | | | | V |
| 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 | | _ | | ~ | 1 |
| 12 | the need for, and have the preparation and ability to engage in | l | | | | 1 |

| Change. | Tick () whichever is applicable |
|--|----------------------------------|
| What do you plan to do after graduation at TU.3 | ne): |
| - Employment (give dotter | |
| (give the title of degree): _ | 11. Tech |
| (b) Higher education (give the title of the control of the title of the control o | Regd. No.: 101302069 |
| Student Name: Kajal Chamber | |
| Suggestion, if any: | |

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| - | Survey questionnaire | | | evel of attainment swer on a scale of 1 to 5) . | | |
|---|--|---------|---|---|---|---|
| 1 | | 1 | 2 | 3 | 4 | 5 |
| 1 | will be able to: | | | | _ | - |
| | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | | ~ | _ |
| | 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. | | | | V | |
| 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 responsibilitie relevant to the professional engineering practice. | s | | | ~ | |
| 7 | Understand the impact of the professional engineering solutions in societa and environmental contexts, and demonstrate the knowledge of, and nee for sustainable development. | ıl d | | | | |
| - | Apply ethical principles and commit to professional ethics an responsibilities and norms of the engineering practice. | d | | | , | |
| | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | se | | | , | 7 |
| | Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able comprehend and write effective reports and design documentation, may effective presentations, and give and receive clear instructions. | to | | | | |
| | Demonstrate knowledge and understanding of the engineering a management principles and apply these to one's own work, as a memband leader in a team, to manage projects and in multidisciplinate environments. | er | | | | 1 |
| | Recognize the need for, and have the preparation and ability to engage independent and life-long learning in the broadest context of technologic change. | in | | , | | |

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

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

(c) Entrepreneur (specify):

Student Name: A manhaet Singh

Suggestion, if any:

Regd. No.: 10148 200 2

A manpreet Singh

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge skills and attitudes that students develoc 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 " and dates 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 will be able to: | | | | - | |
| 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. | | | | | V |
| 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. | | | | | V |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | | | | 1 |
| 10 | 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 | 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. | | | | | ~ |

| change. | |
|---|--|
| What do you plan to do after graduation at a (a) Employment (give details like employer | ΓU.? Tick (√) whichever is applicable name): |
| (b) Higher education (give the title of degree | a): |
| (c) Entrepreneur (specify): Student Name: Suggestion, if any: | Regd. No.: 10/48 200 4 |
| | 0 |

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| | Survey questionnaire | Level of attainmen (answer on a scale of 5) | | | (answer on a scal | | |
|-----|--|---|---|---|-------------------|---|--|
| | | 1 | 2 | 3 | 4 | 5 | |
| - | will be able to: | | | | | | |
| 1 8 | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | | / | | |
| 1 | dentify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. | | | | | / | |
| | 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. | | | | | | |
| | 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. | | | | V | | |
| 8 | Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | | | | | V | |
| 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. | | | | V | , | |
| 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 | | | | | / | |
| 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. | | | | | | |

| 11 | 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. | |
| a) Er b) Hi | do you plan to do after graduation at TU.? Tick (√) whichever is applicable ployment (give details like employer name): | _ |
| c) Er | repreneur (specify): | _ |
| | | |

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 or achievement.

| | Survey questionnaire | | _evel c swer or | | | |
|----|--|---|--------------------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | - | _ | | - |
| 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. | | | | 1 | |
| 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. | | | | | V |
| 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. | | | ι | 1 | |
| 7 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | | | V | 1 | |
| 8 | Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | | | V | 4 | |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | | V | 1 | |
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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. | | | | ~ | |

| Employment | (give details like e | mployer name): | (√) whichever is applicable |
|--------------|----------------------|----------------|-------------------------------|
| Higher educa | tion (give the title | of degree): No | |
| Entrepreneur | (specify): | Singly | Regd. No.: 10 130 200 5 |

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 * indicates little achievement or skill, and 5 indicates great deal of

| | Survey questionnaire | | Level of attains (answer on a scal- 5) | | | | |
|----|--|---|--|---|---|---|--|
| | I will be able to: | 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. | | | | 1 | | |
| 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. | | | | | V | |
| 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. | | 4 | | | / | |
| 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. | | i ta | | | ✓ | |

| hat do you plan to do after graduation at TU.? Tick Employment (give details like employer name): _ | ((V) whichever is applicable |
|--|---------------------------------|
| Employment (give details tike employer name). | |
| Higher education (give the title of degree): | No |
| Entrepreneur (specify): No ident Name: frame, Kural | |
| ident Name: Pleaking Kunal | Regd. No.: 101302066 |

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 were they judge they have attained the student outcomes set for the original 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 | | | f attair n a sca 5) | | |
|----|--|---|---|---------------------------|---|---|
| - | | 1 | 2 | 3 | 4 | 5 |
| - | I will be able to: | | | | - | _ |
| | 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. | | | | | / |
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| 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. | | | | | V |
| 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 membe and leader in a team, to manage projects and in multidisciplinar environments. | r | | V | | |
| 13 | Recognize the need for, and have the preparation and ability to engage i independent and life-long learning in the broadest context of technological change. | | | | V | 1 |

| 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. | 1 |
|--------|--|-------|
| (a) Er | do you plan to do after graduation at TU.? Tick (√) whichever is applicable apployment (give details like employer name): | |
| (c) Fr | gher education (give the title of degree): Interpreneur (specify): Interpreneur (specify): Interpreneur (specify): Interpreneur (specify): Regd. No.: 101302077 Restion, if any: Classes of Report Making Should be untrod | uled. |

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| | Survey questionnaire | | | | ainme cale o | |
|---|--|----------|---|----|-----------------|----------|
| | I will be able to: | 1 | 2 | 3 | 4 | 5 |
| 1 | and an engineering specialization to the solution of complex engineering problems. | | | | | |
| 2 | engineering problems reaching substantiated conclusions using first | | | V | ./ | |
| 3 | 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 | experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. | | V | | | |
| 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. | | V | | | |
| 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. | \dashv | | | | - |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | + | | | | \dashv |
| 0 | 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. | | | | | |
| 1 | Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments. | + | | | 1 | |
| 2 | 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 (√) whicheve | |
|---|-------------------------------------|
| (a) Employment (give details like employer name): | MEDIX |
| | UNIOR DEVELOPER) |
| (c) Entrepreneur (specify): | |
| 0. 1. 1. 1 | |
| Suggestion, if any: Software Learning Shou | No: 101302030 Lot be encouraged. |
| | |

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 orogram 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 | 100 | evel o | | | |
|----|--|-----|--------|---|---|---|
| _ | I will be able to: | 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. | | | | / | |
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| 8 | Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | | | | | |
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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. | | | | | V |
| 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. | | | | 7 | |

| change. | est context of technological |
|--|------------------------------|
| What do you plan to do after graduation at TU.? Tick ((a) Employment (give details like employer name): | √) whichever is applicable |
| (b) Higher education (give the title of degree): | lech, CIM |
| Suggestion, if any: | Regd. No.: 101302001 |

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| | Survey questionnaire | | evel o | | | |
|----|--|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | | | | |
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| 8 | Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | | | | 1 | |
| 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. | | | V | | |
| 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 (a) Employment (give details like employer name): | √) whichever is applicable |
|--|--|
| b) Higher education (give the title of degree): | |
| Student Name: Antu Sharma Suggestion, if any: Software Jearning | Regd. No.: 101302014 Should be engaged properly |

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| | | | evel o | | | |
|----|--|---|--------|---|---|----------|
| _ | I will be able to: | 1 | 2 | 3 | 4 | 5 |
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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. | | | | / | |

| Change. | |
|---|-------------------------------|
| What do you plan to do after graduation at TU.? Tick a) Employment (give details like employer name): _ | (√) whichever is applicable |
| b) Higher education (give the title of degree): c) Entrepreneur (specify): | No |
| Student Name: A Shish Suggestion, if any: | Regd. No.: 101302021 |

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| | | | evel o | | | |
|----|--|---|--------|---|---|---|
| - | I will be able to: | 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. | | | | | ~ |
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| What do you plan to do after graduation at TU.? (a) Employment (give details like employer name | Tick (√) whichever is applicable |
|--|------------------------------------|
| (b) Higher education (give the title of degree): | NO |
| c) Entrepreneur (specify): Student Name: Suggestion, if any: | 9 e K. Regd. No.: 101302038 |

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 now 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 adhievement or skill and 5 indicates great deal of achievement.

| | Survey questionnaire | | wer or | a scal | inment ale of 1 to | | |
|----|--|-----|--------|--------|-----------------------|---|--|
| | | 1 | 2 | 3 | 4 | 5 | |
| | I will be able to: | _ | | | | | |
| 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 engineering problems reaching substantiated conclusions using first engineering sciences. | | | | | | |
| 3 | Design solutions for complex engineering problems and design components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and | | | | / | | |
| 4 | Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the | | | 1 | | _ | |
| 5 | Create, select, and apply appropriate techniques, resources, and resources, and resources, and it could be regimeering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including prediction and modeling to complex engineering and IT tools including the limitations. | | | / | | _ | |
| 6 | Apply reasoning informed by the contextual knowledge to assess health, safety, legal and cultural issues and the consequent responsibilities health, safety, legal and cultural issues and the consequent responsibilities | _ | | 1 | | | |
| 7 | Understand the impact of the professional engineering solutions and and environmental contexts, and demonstrate the knowledge of, and need | | | 1 | | _ | |
| 8 | Apply ethical principles and commit to professional edites and | _ | - | 1 | | | |
| 9 | Function effectively as an individual, and as a member of reason | - | + | 1 | - | - | |
| 10 | Communicate effectively on complex engineering according able to engineering community and with society at large, such as, being able to engineering community and with society and design documentation, make comprehend and write effective reports and design documentation, make | | | / | | | |
| 11 | Demonstrate knowledge and understanding of the order to management principles and apply these to one's own work, as a member management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary | | | / | | | |
| 12 | environments. Recognize the need for, and have the preparation and ability to engage in the broadest context of technological independent and life-long learning in the broadest context of technological independent. | l l | | | 1 | | |

| - | independent and life-long learning in the broad change. | | |
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| a) En | do you plan to do after graduation at TU.? Tick (nployment (give details like employer name): | V) whichever is appl | icable |
| c) En | gher education (give the title of degree): itrepreneur (specify): int Name: | Regd. No.: | 101302001 |
| Sugge | estion, if any: | | |

The program of 8E C vii 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 administration and 5 indicates great deal of administration.

| Survey questionnaire | | Level of attainm (answer on a scale 5) | | | | | |
|----------------------|--|--|---|---|---|---|--|
| | | 1 | 2 | 3 | 4 | 5 | |
| | I will be able to: | | | | - | _ | |
| 1 | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | | 7 | | |
| 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. | - | 1 | | ~ | 1 | |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | _ | ~ | | - | |
| 10 | 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. | | | | L | 1 | |
| 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 | | | / | 1 | | |
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| | Recognize the need for, and have the preparation and all independent and life-long learning in the broadest contemporaries. | at of teemiolog | | |
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| | Survey questionnaire | | evel of wer on | | | |
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| 1 | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | | | - | |
| | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | V | | |
| | 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. | | | ~ | 1 | |
| 8 | Apply ethical principles and commit to professional ethics and | _ | - | - | - | |
| 9 | Function effectively as an individual, and as a member or leader in diverse | _ | _ | - | - | 1 |
| 10 | engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make comprehend and write effective reports and design documentation, make comprehend and write effective reports and receive clear instructions. | 2 | | | · | 1 |
| 11 | Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a membe and leader in a team, to manage projects and in multidisciplinary | у | | | 1 | 1 |
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| 12 | independent and life-long learning in the officers change. |
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| (a) E | t do you plan to do after graduation at TU.? Tick () whichever is applicable mployment (give details like employer name): |
| (c) E | ntrepreneur (specify): |
| | also. |

The program of 8E Civil Engineering has been designed with certain program outcomes the knowledge sk is 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 now 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 title achievement or sk. and 5 indicates great deployment.

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| | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | | | - | |
| 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. | | 3 | / | | |
| 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 | | | / | | |
| 9 | Function effectively as an individual, and as a member or leader in diverse | | | _ | 4 | |
| 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. | | | / | | 5 |
| 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 | | | | V | |
| 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 ((a) Employment (give details like employer name): | Juhi Hant like Sciences Tuhi Hant like Sciences (Carawake) Engineery Traince) |
|--|--|
| (b) Higher education (give the title of degree): | Regd. No.: 10130 2039 |

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 questionnairs given in this form to assess how well they judge they have attained the student outcomes set for the program Please answer the questionnairs on a scale of 1 to 3 where 1 indicates little approximent or skill, and 5 indicates great deat of additionant.

| | Survey questionnaire | | | f attai n a sc: 5) | | |
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| | I will be able to: | | | | | |
| 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. | | | / | 1 | |
| 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. | | | | - | 1 |
| 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 any ironments. | , | | - | | |
| 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. | ı | | | / | |

| 11 | 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. | | _ |
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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. | | |
| a) Er b) Hi c) Er | do you plan to do after graduation at TU.? Tick (\(\strict{\)}\) whichever is applicable imployment (give details like employer name): gher education (give the title of degree): Attrice of the control of the cont | ч 8 20 | 003 |

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| | Survey questionnaire | | evel o | | | |
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| _ | I will be able to: | 1 | 2 | 3 | 4 | 5 |
| 1 | | | | | | |
| Ĺ | 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. | | | The second | / | |
| 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. | | | | 1 | |
| 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. | | | | | |
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| 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. | | | | | ~ |
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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. | | | | | ~ |

| | independent and life-long learning in the brichange. | oadest context of technol | ige in ogical | | 1 |
|-------------------|--|---------------------------|------------------|----------|------|
| What (a) En | do you plan to do after graduation at TU.? Tienployment (give details like employer name): | ck (√) whichever is appl | icable | L | |
| (b) Hig (e) En | gher education (give the title of degree): | establish my | Own | Castucha | Sir. |
| | estion, if any: You Jo + Sigh | Regd. No.: | 10 13 (| 5062 | 0 |

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| | Survey questionnaire | | evel o | | | |
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| - | | 1 | 2 | 3 | 4 | 5 |
| - | I will be able to: | | | | +++ | _ |
| 1 | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | | / | , |
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| 8 | Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | | | | | ι |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | | | | |
| 10 | 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. | | | | | V |
| 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. | | | | ~ | |

| Vhat do you plan to do after graduation at TU.? Tick (√ a) Employment (give details like employer name): | uat Gran | |
|--|---------------------|----|
| b) Higher education (give the title of degree): | | |
| c) Entrepreneur (specify): | Regd. No.: 10130 20 | 44 |

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| | Survey questionnaire | | evel o | | | |
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| _ | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | | - | 1 | 7 |
| 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. | | | | | / |
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| | Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions. | | | | 1 | |
| 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. | | | | 1 | |
| 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. | | | | | V |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | | | / | |
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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.? Ticl (a) Employment (give details like employer name): _ | k (√) whichever is app | licable |
|--|--------------------------|-------------|
| (b) Higher education (give the title of degree): | M. Tech | |
| (c) Entrepreneur (specify): Student Name: | Regd. No.: | 1013 02 086 |
| Suggestion, if any: | | |

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| | Survey questionnaire | Level of attain (answer on a scal 5) | | (answer on a sca | | | | |
|------|--|--|-----|------------------|---|---|--|--|
| | | 1 | 2 | 3 | 4 | 5 | | |
| | I will be able to: | | | | - | | | |
| 1 | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | | 1 | | | |
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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. | | | | 7 | | | |
| a) E | do you plan to do after graduation at TU.? Tick (\checkmark) whichever is applicable imployment (give details like employer name): | | | | | | | |
| c) E | ntrepreneur (specify):ent Name: Regd. No.: | 013 (| 200 | 7 | | | | |

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| | | 1 | 2 | 3 | 4 | 5 |
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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 ((a) Employment (give details like employer name): | whichever is applicable |
|--|-------------------------|
| (a) Employment (give details into employment (give empl | S. Hd. |
| (c) Entrepreneur (specify) | Regd. No.: 10 302088 |
| Suggestion, if any: | |

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| | Survey questionnaire | | Level o | | | |
|----|--|----|---------|------|---|---|
| | · | 1 | 2 | 3 | 4 | 5 |
| - | I will be able to: | | | | - | |
| 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. | | | | | ン |
| 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. | | | | \ | 1 |
| 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. | | | | 1 | |
| 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. | 19 | | / | | |
| 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. | | * | 1980 | - | |
| 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. | | | | ~ | , |

| change. | |
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| What do you plan to do after graduation at TU.? | Tick (√) whichever is applicable |
| (a) Employment (give details like employer name | i): |
| (b) Higher education (give the title of degree): | BE |
| c) Entrepreneur (specify): | D-110 4 - 110 9 |
| Suggestion, if any: | Regd. No.: 101982001 |

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. | | | | ~ | |
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| 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. | | | | - | |
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| 8 | Apply ethical principles and commit to professional ethics and | - | | | | - |
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| What do you plan to do after graduation at TU.? Tick (\ (a) Employment (give details like employer name): |) whichever is applic | able |
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| (b) Higher education (give the title of degree):(c) Entrepreneur (specify): Student Name: | Regd. No.: | 101302071 |
| Suggestion, if any: | | |

The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge of size 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 now well they judge they have attained the student outcomes set for the program. Please answer the questionnaire on a scale of to 5 where to discuss attle achievement or skill and 5 nations great teal 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. | | | 1 | | |
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| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | | | ~ | |
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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. | | | | | - |

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| What do you plan to do after graduation at TU.? T (a) Employment (give details like employer name): | ick (√) whichever is applicable |
| (b) Higher education (give the title of degree): | ME (Transfor labo 64.) |
| c) Entrepreneur (specify) | Regd. No.: 01482002 |
| 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. | | | ~ | | - |
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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. | | | | | / |
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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. | | | ~ | | |

| | change. | ing in the broadest | context of technio | logical | | |
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| (a) Em | do you plan to do after graduation ployment (give details like emp | loyer name): | whichever is app | et 4G | | re. |
| (c) Ent | her education (give the title of corepreneur (specify): It Name: PRINCE | KUMAR | Regd. No.:_ | 1014 | 82012 | |
| Sugge | stion, if any: | | | | | |

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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. | | | | / | |
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| 8 | Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | | | | 1 | |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | | | 1 | |
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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. | | | | 1 | |
| 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 (a) Employment (give details like employer name): | (√) whichever is appl TY I UN € | icable Energy | lim ited | , Nev Dele |
|--|------------------------------------|---------------|----------|------------|
| (b) Higher education (give the title of degree): | | VV | | |
| (c) Entrepreneur (specify): | | | | |
| Student Name: Manfred Cligh Suggestion, if any: | Regd. No.: | 10130 2 | 252 | |

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| | I will be able to: | 1 | 2 | 3 | 4 | 5 |
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| 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. | | | | ~ | |
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| 7 | Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. | | | | | V |
| 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. | | | | 1 | |
| 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 app | oligable . | 0 - 1 | |
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| (a) Employment (give details like employer name): | Chicogo | bridge | & Tray. Gu | n) g ev |
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| (c) Entrepreneur (specify): Student Name: Poully Style Suggestion, if any: | Regd. No.: | 1013 | 2061 | |

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| 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. | | | | / | |
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| 1 | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | | | |
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| Stude Sugge | ontrepreneur (specify): ont Name: sestion, if any: Singh Salkegd. No.: | 302078 |
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| engineering activities with an understanding of the limitations | | | / | | |
| 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. | | | | | |
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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 dear of achievement.

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(b) Higher education (give the title of degree):
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Student Name:

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The program of BE Civil Engineering has been designed with certain program outcomes (the knowledge akilis and attitudes that students develop during the course of study). The students of graduating class are requested to enswer 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 or 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of achievement.

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| What do you plan to do after graduation at TU.? Tick ((a) Employment (give details like employer name): | √) whichever is applicable |
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| (b) Higher education (give the title of degree): | |
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| | I will be able to: | | | | + | |
| 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. | | | | | V |
| 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. | | | | | / |

| change. | |
|---|--|
| What do you plan to do after graduatio | n at TU.? Tick (√) whichever is applicable |
| a) Employment (give details like emplo | oyer name): |
| b) Higher education (give the title of de | egree): Govt. Exams Preparation |
| c) Entrepreneur (specify): Student Name: Gunkisat Sun | 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| Student Name: Number Suggestion, if any: No | Regd. No.: 101302035 |

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 original Please enswer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great dear of achievement.

| | Survey questionnaire | | | of attai n a sc 5) | | |
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| | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | - | - | | |
| 1 | Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. | | | <u></u> | | |
| 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. | | | V | | |
| 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. | | | | | V |
| 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. | | | | - | , |

| | · · |
|--|---|
| at do you plan to do after graduation at TU.? Ti | ck (√) whichever is applicable |
| Employment (give details like employer name): | 3 - 1 7 - 10 - 10 - 10 - 10 - 10 - 10 - 1 |
| 1 19 April 14 14 15 14 | |
| ligher education (give the title of degree): | |
| entrepreneur (specify): | |
| ant Nama: Prate b Guhta | Regd. No.: 10/30 2065 |
| ent Name. | |

The program of BE Civil Engineering has been designed with certain program cutcomes (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 (answ | | evel o | | | |
|----|--|---|--------|---|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | - | | 1 | |
| 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. | | | | / | 1 |
| 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. | 1 | | | / | |
| 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. | 1 | | | / | |
| 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. | | | | V | |

| | change. | |
|--------|---|---------------------------|
| a) En | nployment (give details like employer r | |
| () EII | illepreneur (specify). | e): Post graduate diploma |
| tude | ent Name: Paroleep Singh | Regd. No.: 10/202050 |

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

| | Survey questionnaire | (ans | evei o wer o | f attai n a sc 5) | nmer ale of | 11 to |
|----|--|------|-----------------|-------------------------|----------------|-------|
| | | 1 | 2 | 3 | 4 | 5 |
| - | I will be able to: | _ | | | | |
| 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 index 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. | | | | <u> </u> | |
| 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. | | | | | V |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | | | | ~ |
| 10 | 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 | 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 () a) Employment (give details like employer name): | V) whichever is applicable |
|---|----------------------------|
| b) Higher education (give the title of degree): | Ę |
| c) Entrepreneur (specify): | Regd. No.: 101302084 |

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 now well they judge they have attained the student outcomes set for the program achievement.

| | Survey questionnaire | 4 | Level o | | | |
|-----------|--|---|---------|---|---|-----------|
| | I will be able to: | 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 | 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. | | | 1 | | |
| 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. | | | - | 1 | 7 |
| 8 | Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. | | | | | 7 |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | | V | 1 | \exists |
| | 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. | | | | | - |
| 1 1 2 2 4 | 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. | T | | ~ | | 1 |
| 111 | Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological hange. | | | | ~ | 7 |

| | independent and life-long learning in the change. | te broadest context of technological |
|----------------|--|---|
| What (a) Er | do you plan to do after graduation at TU. mployment (give details like employer nan | ? Tick (√) whichever is applicable ne): |
| (c) En | gher education (give the title of degree): _ strepreneur (specify): | M. Tech |
| Stude | nt Name: Prachiet Kaus estion, if any: | Regd. No.: 101302064 |
| | | |

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 attitudes that students develop during the course of study). The students of graduating class are requested to answer the great develop during the course of study). The students of graduating class are requested to answer the program outcomes (the knowledge skills and the program outcomes (the knowledge skills and the 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 on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of 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 attain (answer on a sca 5) | | ale o | f 1 to | |
|---|--|---|----|-------|--------|---|
| - | | 1 | 2 | 3 | 4 | 5 |
| 1 | I will be able to: | | | | | |
| | 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 engineering problems reaching substantiated conclusions using first engineering problems. | | | | / | |
| 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 | | | | / | | |
| 1 | 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. | | | | | / |
| 1 | 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. | | | / | | |
| - | 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. | | | | / | |

| Employment (give details like employer na | J.? Tick (√) whichever is applicable ame): |
|--|--|
| Higher education (give the title of degree): | |
| Entrepreneur (specify): | Regd. No.: 101302009 |

The program of SE Civil Engineering has been designed with certain program outcomes, the knowledge isk is and attitudes that students develop during the occurse of study. The students of graduating class are requested to answer the questionnaire given in this form to assess now 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 deplorachievement.

| | Survey questionnaire | Level of attainm (answer on a scale 5) | | | | |
|----|--|--|---|---|----------|---|
| _ | I will be able to: | 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. | | | | V | |
| 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. | | | | | V |
| 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 ((a) Employment (give details like employer name): | √) whichever is applicable |
|--|----------------------------|
| (b) Higher education (give the title of degree): | |
| Student Name: Kanwarfal Sungh | Regd. No.: 10148 2005 |

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, achievement, the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill and 5 indicates great deal of

| | Survey questionnaire | | evel o | | | |
|----|--|---|--------|---|---|---------|
| | I will be able to: | 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. | | | | | 1 |
| 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. | | | | | <u></u> |
| 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. | | | | 1 | |
| 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. | + | + | + | + | 7 |

| What do you plan to do after graduation at TU.? Tick a) Employment (give details like employer name): | (√) whichever is applicable |
|--|-------------------------------|
| b) Higher education (give the title of degree): c) Entrepreneur (specify): Student Name: | Regd. No.: 101482011 |

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 originar Please enswer the questionnaire on a scale of 1 to 5 where 1 indicates ittle achievement or skill, and 5 indicates great deal of achievement.

| | Survey questionnaire | | evel o | 0.000 | | |
|----|--|---|--------|-------|---|---|
| | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | | | | - | - |
| 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. | | | | | V |
| 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. | | | | 1 | |
| 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. | | | | / | |

| 12 | independent and life-long learning in the broade change. | |
|----------------|---|----------------------------|
| What (a) En | do you plan to do after graduation at TU.? Tick (nployment (give details like employer name): | √) whichever is applicable |
| (b) His | gher education (give the title of degree): | xers |
| Stude | nt Name: | Regd. No.: 10 \30 2040 |

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 now 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 "indicates little achievement or skill, and 5 indicates great deal of achievement."

| | Survey questionnaire | Level of atta (answer on a se 5) | | | | |
|----|--|--|---|---|---|---|
| | I will be able to: | 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. | | | | c | |
| 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. | | 1 | | | |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | | 1 | | | |
| 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. | | | | 1 | |

| What do you plan to do after graduation at TU.? Ticl (a) Employment (give details like employer name): _ | Government jot |
|---|------------------------|
| (b) Higher education (give the title of degree):(c) Entrepreneur (specify): | |
| Student Name: Suphert Sung. Suggestion, if any: No, thenk | Regd. No.: 10 130 2085 |

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 | | | of attai n a sca 5) | | |
|----|--|---|---|---------------------------|---|---|
| - | | 1 | 2 | 3 | 4 | 5 |
| | I will be able to: | , | | | | |
| 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. | | | V | | |
| 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. | | | | 1 | |

| √) whichever is applicable |
|----------------------------|
| Government job |
| |
| |
| Regd. No.: 101302050 |
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The program of 8E 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 now well they judge they have attained the student outcomes set for the program Please answer the questionnaire on a scale of 1 to 3 where 1 indicates ittle achievement or skill and 5 indicates great deal of achievement.

| | Survey questionnaire | | Level o | | | W. Colonson |
|----|--|------|---------|---|---|-------------|
| _ | I will be able to: | 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. | | | ~ | 1 | |
| 9 | Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. | 7.87 | | ~ | | |
| 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. | / | / | | 1 | |

| | independent and life-long learning in the broadest co | ntext of technolog | tical | / | |
|-------|--|---------------------|-------|-----|---|
| What | at do you plan to do after graduation at TU.? Tick ($$) w Employment (give details like employer name): | hichever is applica | able | | |
| b) H | Higher education (give the title of degree): | , | | | _ |
| Stude | dent Name: Vaibhav Kirti Sharma gestion, if any: No thank | Regd. No.: | 01302 | 090 | = |
| | | | | | |

The program of BE Civil Engineering has been designed with certain program cutoomes, the knowledge ak is 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 now well they judge they have attained the student outcomes set for the original Please enswer the questionnaire on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deptor achievement.

| | Survey questionnaire | | Level of attainment (answer on a scale of 1 to 5) | | | | | |
|----|--|---|---|---|----------|---|--|--|
| | | 1 | 2 | 3 | 4 | 5 | | |
| | I will be able to: | | | - | - | | | |
| 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. | | | V | | | | |
| 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. | | | | V | | | |
| 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. | | | | ~ | | | |
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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. | | | | / | | | |

| 12 | Recognize the need for, and have the prepara independent and life-long learning in the broachange. | tion and ability to enga dest context of technol | age in ogical | |
|------|--|---|------------------|-----|
| | | V | | |
| hat | do you plan to do after graduation at TU.? Tick | (√) whichever is appl | icable | |
|) En | ployment (give details like employer name): | (√) whichever is appl Fitso | icable | |
|) Em | ployment (give details like employer name): | (v) whichever is appl Fitso | icable | |
|) En | ployment (give details like employer name): | Fitso | | |
|) En | ployment (give details like employer name): | (v) whichever is appl Fitso Regd. No.: | | 076 |

The program of BE Civil Engineering has been designed with certain program outcomes line knowledge sk is and attitudes that students develop during the bourse of study. The students of graduating class are requested to answer the questionnaire given in this form to assess now 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 sk() and 5 indicates great deal of achievement.

| chiev | Survey questionnaire | | Level of attainment (answer on a scale of 1 5) | | | | | |
|-------|--|---|--|----------|---|---|--|--|
| | | 1 | 2 | 3 | 4 | 5 | | |
| | I will be able to: | | - | | 1 | | | |
| 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. | | | | V | | | |
| 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. | | | / | | | | |
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| | change. | | | | |
|--------|---|---------------------------|-----------------------------|----------|------|
| 16) EI | do you plan to do after graduation at TU.? T mployment (give details like employer name) | Tick (√) w): <u> </u> | whichever is app king in | L&T | ECC |
| (b) Hi | igher education (give the title of degree): htrepreneur (specify): Che | | Regd. No.: | 10 130 2 | 1029 |
| Sugg | estion, if any: | | | | |