

## Survey form to assess the level of attainment of PEO's and PO's – Employer

The program of BE Mechanical Engineering has been designed with certain Program Educational Objectives (PEO's) and Program Outcomes (PO's). In order to assess the level of attainment of PEO's and PO's set for the program, the employer are requested to answer the questionnaire given in this form. The questionnaire contains the questions pertaining to the ability and skill of our students. Please answer the questionnaire on a scale of 1 to 5 where 1 indicates little ability or skill, and 5 indicates great deal of ability or skill of our students.

	Survey questionnaire	Assessment scale of 1 to 5				
		1	2	3	4	5
1	Do our students have the ability to find solutions to real life/practical problems in industry through the use of technical knowledge?					✓
2	Do our students have reasonable practical and laboratory skills for analysis and design?				✓	
3	How do you rate our students in written and oral communication abilities?					✓
4	What is your opinion about the behaviors exhibited by our students in terms of effort they put into team tasks, their manner of interacting with others on team, and the quantity and quality of contributions they make to team discussions?					✓
5	How do you rate our students in terms of their professional nature, behaviour and communication abilities?					✓
6	Do our students have ability and will to engage in a process of continuous learning to meet the current job requirements?					✓

Name : Ramandeep Singh Shergill  
 Designation: Sr. Engg.  
 Email: ramandeep.singh@gabriel.co.in Ph/Mot: No.: 9816099502  
 Organization Name: Gabriel India Pvt.  
 Signature with date: Shergill  
27/2/14  
 Suggestion, if any: Practical aspects of theoretical knowledge could be enhanced.

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1	Do our students have the ability to find solutions to real life/practical problems in industry through the use of technical knowledge?				✓	
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3	How do you rate our students in written and oral communication abilities?					✓
4	What is your opinion about the behaviors exhibited by our students in terms of effort they put into team tasks, their manner of interacting with others on team, and the quantity and quality of contributions they make to team discussions?					✓
5	How do you rate our students in terms of their professional nature, behaviour and communication abilities?					✓
6	Do our students have ability and will to engage in a process of continuous learning to meet the current job requirements?					✓

Name : DARSHAN SINGH

Designation: Assistant production Manager

Email: darshan.singh@tvsmotor.co.in Ph/Mob No.: \_\_\_\_\_

Organization Name: TVS motor Company,  
Nalagarh, H.P.

Signature with date:  13/12/14

Suggestion, if any: -

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
	Survey questionnaire	Assessment scale of 1 to 5				
		1	2	3	4	5
1	Do our students have the ability to find solutions to real life/practical problems in industry through the use of technical knowledge?			✓	✗	
2	Do our students have reasonable practical and laboratory skills for analysis and design?			✓	✗	
3	How do you rate our students in written and oral communication abilities?				✓	
4	What is your opinion about the behaviors exhibited by our students in terms of effort they put into team tasks, their manner of interacting with others on team, and the quantity and quality of contributions they make to team discussions?				✓	
5	How do you rate our students in terms of their professional nature, behaviour and communication abilities?				✓	
6	Do our students have ability and will to engage in a process of continuous learning to meet the current job requirements?					✓

Name : Dr. SRINIVAS CHERUKUPALLI

Designation: SCIENTIST

Email: srinivas.cherukupalli@dupont.com Ph/Mob No.: 96528 20003

Organization Name: dupont

Signature with date:  Mar 6, 2014

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

# Thapar University, Patiala

TU/sur-Form/03

## Survey form to assess the level of attainment of PEO's and PO's – Employer

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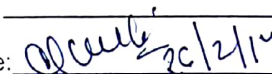
	Survey questionnaire	Assessment scale of 1 to 5				
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3	How do you rate our students in written and oral communication abilities?				✓	
4	What is your opinion about the behaviors exhibited by our students in terms of effort they put into team tasks, their manner of interacting with others on team, and the quantity and quality of contributions they make to team discussions?				✓	
5	How do you rate our students in terms of their professional nature, behaviour and communication abilities?				✓	
6	Do our students have ability and will to engage in a process of continuous learning to meet the current job requirements?				✓	

Name : Mr. MAYANK RATHI

Designation: Sr. ENGINEER - FEA (LEAD)

Email: mayank.rathi@nbcbearings.in Ph/Mob No.: 8696889696

Organization Name: National Engineering Industries

Signature with date:  20/2/17

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

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

Dear Sir

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

We solicit your feedback on attainment of the student outcomes (the knowledge, skills and attitudes that students develop during the course of study at TU) of the BE Mechanical Engineering program. Please answer the following questions on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>1 achieved</i>						
1	Do our students have an ability to apply knowledge of mathematics, science, and engineering?				√	
2	Do our students have an ability to design and conduct experiments, as well as to analyze and interpret data?				√	
3	Do our students have an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability?				√	
4	Do our students have an ability to function on multidisciplinary teams?				√	
5	Do our students have an ability to identify, formulate, and solve engineering problems?				√	
6	Do our students have an understanding of professional and ethical responsibility?				√	
7	Do our students have an ability to communicate effectively?				√	
8	Do our students have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context?				√	
9	Do our students have recognition of the need for, and an ability to engage in life-long learning?				√	
10	Do our students have knowledge of contemporary issues?				√	
11	Do our students have an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice?				√	

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

I would suggest that Thapar go back to the old format of two or three mid semester and emphasize more on studies. I have heard that

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

Excellent/V-good/Good/Avg./Peer (Mechanical enggr. till 2012. I am apprehensive about the three branch model now adopted at Thapar!)

Your Name and Signature with date: Naman Khanna (01.09.2015)

Your Organization Name: Engineers India Limited (EIL) (2012 to 2015), SP Jain Institute of Management and research (ongoing)

Suggestion, if any: **Mechanical engineering during my days used to be a very sound branch. However, I really fear this new funda of three branches may jeopardize the quality of engineers being produced. Furthermore, I would suggest an increase in the emphasis on studies at Thapar by going back to two or**

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

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1	Do our students have an ability to apply knowledge of mathematics, science, and engineering?				✓	
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3	Do our students have an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability?					✓
4	Do our students have an ability to function on multidisciplinary teams?				✓	
5	Do our students have an ability to identify, formulate, and solve engineering problems?			✓		
6	Do our students have an understanding of professional and ethical responsibility?				✓	
7	Do our students have an ability to communicate effectively?				✓	
8	Do our students have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context?			✓		
9	Do our students have recognition of the need for, and an ability to engage in life-long learning?				✓	
10	Do our students have knowledge of contemporary issues?				✓	
11	Do our students have an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice?				✓	

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

*Lean manufacturing & Six Sigma*

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

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

Your Name and Signature with date: *S. M. Phule* *S. M. Phule* *21/12/15*

Your Organization Name: *Tata Motors, Pune*

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

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

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		1	2	3	4	5
	<i>I achieved</i>					
1	Do our students have an ability to apply knowledge of mathematics, science, and engineering?				✓	
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5	Do our students have an ability to identify, formulate, and solve engineering problems?			✓		
6	Do our students have an understanding of professional and ethical responsibility?				✓	
7	Do our students have an ability to communicate effectively?			✓		
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10	Do our students have knowledge of contemporary issues?				✓	
11	Do our students have an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice?				✓	

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

Virtual Training System

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

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

Your Name and Signature with date: Khurshid Ahmed Khurshid

Your Organization Name: Tafe Ltd.

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

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5	Do our students have an ability to identify, formulate, and solve engineering problems?				✓	
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(1) What courses/topics would you like to see offered as UG course at TU or for continuing education to your staff.

\_\_\_\_\_

\_\_\_\_\_

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

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

Your Name and Signature with date: Ram Kumar V.R.

Your Organization Name: Mahindra and Mahindra.

Ram Kumar  
24/2/15

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

\_\_\_\_\_



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11	Do our students have an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice?					✓

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

More practical oriented study.

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

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

Your Name and Signature with date: Mithun Kumar. 11/7/16

Your Organization Name: MAHINDRA & MAHINDRA  
SWARAJ DEVISION

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

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11	Do our students have an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice?					✓

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

Not required

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

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

Your Name and Signature with date: Yaminder 22/6/16 UPENDRA KUMAR

Your Organization Name: ISTC- CSIO, Sec -30  
CHANDIGARH.

Suggestion, if any: Keep more stress on PLC &  
other Automation gadgets

KK

TU/sur-Form/03

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

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

Excellent/V. good/Good/Avg/Poor

Your Name and Signature with date:

Your Organization Name:

Excellent -  
Balkar Singh

Chief Instructor (Mech.)  
Technical Training School  
Kapurthala

Rail Coach Factory

Suggestion, if any:

NIL -

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

Not applicable

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

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

Your Name and Signature with date: S. K. Sal Suresh

Your Organization Name: IT Delhi

Suggestion, if any: Continuation of training work as Capstone project and come back again in winter to continue on the work. As a result, some product may evolve out of the internship.

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

\_\_\_\_\_

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

Your Name and Signature with date: Charanjit

(CHARANJEET SINGH)

Your Organization Name: AMGIL, Pta.

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

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3	Do our students have an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability?				✓	
4	Do our students have an ability to function on multidisciplinary teams?					
5	Do our students have an ability to identify, formulate, and solve engineering problems?				✓	
6	Do our students have an understanding of professional and ethical responsibility?				✓	
7	Do our students have an ability to communicate effectively?					✓
8	Do our students have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context?					✓
9	Do our students have recognition of the need for, and an ability to engage in life-long learning?				✓	
10	Do our students have knowledge of contemporary issues?					✓
11	Do our students have an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice?				✓	✓

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

CFD

RAC

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

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

Your Name and Signature with date: PRAVEEN AGRAWAL Praveen Agrawal 05/06/2017

Your Organization Name: LG Soft India Pvt. Ltd.

Suggestion, if any:

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

Dear Sir

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

We solicit your feedback on attainment of the student outcomes (the knowledge, skills and attitudes that students develop during the course of study at TU) of the BE Mechanical Engineering program. Please answer the following questions on a scale of 1 to 5 where 1 indicates little achievement or skill, and 5 indicates great deal of achievement.

Survey questionnaire		Level of attainment (answer on a scale of 1 to 5)				
		1	2	3	4	5
<i>I achieved</i>						
1	Do our students have an ability to apply knowledge of mathematics, science, and engineering?				✓	
2	Do our students have an ability to design and conduct experiments, as well as to analyze and interpret data?				✓	
3	Do our students have an ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability?				✓	
4	Do our students have an ability to function on multidisciplinary teams?					✓
5	Do our students have an ability to identify, formulate, and solve engineering problems?				✓	
6	Do our students have an understanding of professional and ethical responsibility?					✓
7	Do our students have an ability to communicate effectively?					✓
8	Do our students have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context?				✓	
9	Do our students have recognition of the need for, and an ability to engage in life-long learning?				✓	
10	Do our students have knowledge of contemporary issues?				✓	
11	Do our students have an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice?				✓	

(1) What courses/topics would you like to see offered as UG course at TU or for continuing education to your staff.  
 ✓ \_\_\_\_\_

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

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

Your Name and Signature with date: Nitesh - June 24/2012

Your Organization Name: International Tractors Limited

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

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

Dear Sir,

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

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4	Do our students have an ability to function on multidisciplinary teams?					✓
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7	Do our students have an ability to communicate effectively?					✓
8	Do our students have the broad education necessary to understand the impact of engineering solutions in a global, economic, environmental, and societal context?					✓
9	Do our students have recognition of the need for, and an ability to engage in life-long learning?					✓
10	Do our students have knowledge of contemporary issues?					✓
11	Do our students have an ability to use the techniques, skills, and modern engineering tools necessary for engineering practice?					✓

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

\_\_\_\_\_

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

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

Your Name and Signature with date: Brijesh Kumar Sharma

Your Organization Name: HA India Lab, IITG, Salt India PVT. LTD

Suggestion, if any: Will also like Master Card Grant Student for Trainings for Entrance Exam/ modules.