Department of Mechanical Engineering, UPES, Alumni Survey for PO's and PSO'S

Dear Alumni,

We are delighted to share with you that your program (B.TECH Automotive Design Engineering) is going for National Board of Accreditation(NBA). So we are working on several aspects of compliance and out of those requirements, one of the parameter needs your valuable input.
We are requesting you to participate in this survey. UPES always strives to provide contemporary knowledge to our students that requires continual improvement in the curriculum. This survey is about our Program Outcomes(PO's), Program Specific Outcomes (PSO's) and asks you to provide your opinion regarding how appropriate you think these outcomes are. The Program Outcomes(PO's) and Program Specific Outcomes (PSO's) are broad statements that describe achievements graduates are expected to attain after completion of graduation.When you have completed the survey please make sure you click the submit button to record your answers.

Note at the end of survey:
Kindly ensure the details provided by you in the Employer's Name should be your reporting officer (e.g. Manager/Senior Manager etc.) and correct e-mail and phone number. Your Manager will be requested to respond on to the similar survey which includes Program Outcomes (PO's), Program Specific Outcomes (PSO's) and feedback about Mechanical Engineering Program visa-vi Automotive Design Engineering program and its future direction.

Name *

Abhishek Mishra

Email ID *

abhishek.mishra115@gmail.com

Phone Number *

8105123222

Job Title

System Engineer

Program Outcomes (PO's)

PO1. Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. *

- ○ Below Average
- ○ Average
- ● Good
- ○ Very Good

PO2. Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. *

○ Below Average

○ Average

◉ Good

○ Very Good

PO3. 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. *

○ Below Average

○ Average

◉ Good

○ Very Good

PO4. 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. *

○ Below Average

○ Average

◉ Good

○ Very Good

PO5. 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. *

○ Below Average

○ Average

○ Good

◉ Very Good

PO6. 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. *

○ Below Average

○ Average

◉ Good

○ Very Good

PO7. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. *

○ Below Average

○ Average

○ Good

◉ Very Good

PO8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. *

○ Below Average

○ Average

○ Good

◉ Very Good

PO9. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. *

○ Below Average

○ Average

○ Good

◉ Very Good

PO10. 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. *

○ Below Average

○ Average

◉ Good

○ Very Good

PO11. 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. *

○ Below Average

○ Average

○ Good

⦿ Very Good

PO12. 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. *

○ Below Average

○ Average

⦿ Good

○ Very Good

Program Specific Outcomes(PSO'S)

PSO1. An ability to evaluate thermal performance of IC engines under different fuel modes *

○ Below Average

○ Average

◉ Good

○ Very Good

PSO2. An ability to investigate the trouble shooting of automotive systems

○ Below Average

○ Average

○ Good

◉ Very Good

PSO3. An ability to design and develop automotive systems using modern tools *

○ Below Average

◉ Average

○ Good

○ Very Good

Department of Mechanical Engineering, UPES, Exit Student Survey

Dear Student,

We are delighted to share with you that your program (B.TECH Automotive Design Engineering) is going for National Board of Accreditation (NBA). So we are working on several aspects of compliance and out of those requirements, one of the parameter needs your valuable input. This survey is about our Program Outcomes (PO's), Program Specific Outcomes (PSO's) and asks you to provide your opinion regarding how appropriate you think these outcomes have been achieved during your 4 years of studies. The Program Outcomes (PO's) and Program Specific Outcomes (PSO's) are broad statements that describe achievements graduates are expected to attain after completion of graduation.

Name *

Sachin Kumar Lal

SAP ID/Enrollment Number *

500046512

Batch *

2015-2019 ▾

Email ID *

lalsachin15@stu.upes.ac.in

Phone Number *

9934499577

Job Title/Higher Education/Entrepreneur *

Graduation

Program Outcomes (PO's)

PO1. Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. *

○ Weak

◉ Moderate

○ Strong

PO2. Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. *

○ Weak

○ Moderate

◉ Strong

PO3. 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. *

○ Weak

◉ Moderate

○ Strong

PO4. 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. *

○ Weak

◉ Moderate

○ Strong

PO5. 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. *

○ Weak

◉ Moderate

○ Strong

PO6. 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. *

○ Weak

◉ Moderate

○ Strong

PO7. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. *

○ Weak

◉ Moderate

○ Strong

PO8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. *

○ Weak

◉ Moderate

○ Strong

PO9. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. *

○ Weak

○ Moderate

◉ Strong

PO10. 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. *

○ Weak

○ Moderate

◉ Stong

PO11. 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. *

○ Weak

○ Moderate

◉ Strong

PO12. 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. *

○ Weak

◉ Moderate

○ Strong

Program Specific Outcomes(PSO'S)

PSO1. Evaluate thermal performance of IC engines under different fuel modes *

○ Weak

○ Moderate

◉ Strong

PSO2. Investigate the trouble shooting of automotive systems

○ Weak

○ Moderate

◉ Strong

PSO3. Design and develop automotive systems using modern tools *

○ Weak

⦿ Moderate

○ Strong

We are interested in your comments regarding our Program Outcomes (PO's). Please provide comments specific to our outcomes here with justification, if possible.

We are interested in your comments regarding our Program Specific (PSO's) Outcomes. Please provide comments specific to our outcomes here with justification, if possible.

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Department of Mechanical Engineering, UPES, Parents Survey

Dear Sir/Madam,

We are delighted to share with you that our program (B.TECH Automotive Design Engineering) is going for National Board of Accreditation (NBA). So we are working on several aspects of compliance and out of those requirements, one of the parameter needs your valuable input. We first list our Program Outcomes(PO's), Program Specific Outcome(PSO's), Vision, Mission and ask you to provide your opinion regarding how appropriate you think these Outcomes are. The Program Outcomes and program Specific Outcomes are brief statements that describe achievement graduates are expected to attain after completion of their graduation. The VISION and MISSION are broad statements that describe our commitment to empower students to achieve their goals by providing access to high quality of education.

Note: When you have completed the survey please make sure you click the submit button to record your answers.

Your Information, we would like to take your view based on Program Outcomes and Program Specific Outcomes, which are mentioned below.

Parents Name *

Satish Kumar Soni

Parents Email *

sksonee@yahoo.co.in

Parents Phone Number *

+91 9463742041

Comments/Suggestions (PEO)

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Job Title

Associate Professor

Student Name *

Sanchit Soni

Batch *

2015-19

Program Outcomes (PO's)

PO1. Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems. *

○ Below Average

○ Average

⦿ Good

○ Very Good

PO2. Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences. *

◯ Below Average

◯ Average

⦿ Good

◯ Very Good

PO3. 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. *

◯ Below Average

◯ Average

◯ Good

⦿ Very Good

PO4. 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. *

○ Below Average

○ Average

○ Good

◉ Very Good

PO5. 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. *

○ Below Average

○ Average

○ Good

◉ Very Good

PO6. 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. *

○ Below Average

○ Average

○ Good

◉ Very Good

PO7. Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development. *

○ Below Average

○ Average

○ Good

◉ Very Good

PO8. Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice. *

○ Below Average

○ Average

○ Good

◉ Very Good

PO9. Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings. *

○ Below Average

○ Average

○ Good

● Very Good

PO10. 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. *

○ Below Average

○ Average

○ Good

● Very Good

PO11. 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. *

○ Below Average

○ Average

○ Good

⦿ Very Good

PO12. 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. *

○ Below Average

○ Average

○ Good

⦿ Very Good

Program Specific Outcomes (PSO's)

PSO1. An ability to evaluate thermal performance of IC engines under different fuel modes; *

○ Below Average

○ Average

○ Good

◉ Very Good

PSO2. An ability to investigate the trouble shooting of automotive systems; *

○ Below Average

○ Average

○ Good

◉ Very Good

PSO3. An ability to design and develop automotive systems using modern tools *

○ Below Average

○ Average

○ Good

◉ Very Good

We are interested in your comments regarding our Program Outcomes (PO's). Please provide comments specific to our objectives here with justification, if possible. *

Feedback about students should be taken from industries

We are interested in your comments regarding our Program Specific Outcomes (PSO's). Please provide comments specific to our objectives here with justification, if possible. *

Educational tour should be included

Vision
To provide best quality education and research in Mechanical Engineering leading to nation building.

Mission
- To generate competent professionals in the transportation, manufacturing and energy sector.
- To develop and maintain state of the art infrastructure and research facilities to enable create, apply and disseminate knowledge.
- To foster linkages with all stake holders for continuous improvement in academics and allied areas.
- To develop students who shall be ethical in behavior both in professional as well as in personal life; and
- To create a culture where faculty and students give due consideration to environment and social commitment while solving a problem.

Comments/Suggestions (Vision and Mission) *

Program Educational Objectives
- PEO-1: Graduates will have the scientific and technical knowledge to have successful career in auto and allied industries.
- PEO-2: Graduates will have competency to analyze challenges and advancements in the focus areas of power train, drive train, stability and safety aspects of vehicle engineering
- PEO-3: Graduates will be motivated and confident to pursue advanced education, research and development and other creative efforts in automotive engineering and allied areas
- PEO-4: Graduates will have higher order thinking and leadership skills to become technology leaders of tomorrow
- PEO-5: Graduates will contribute to the welfare of society and environment by taking sound professional and responsible technical decisions