

QUESTIONNAIRE FOR SPONSORS OF MECHANICAL ENGINEERING COMPREHENSIVE DESIGN PROJECTS

Project: _____

Evaluator: _____

Organization: _____

We appreciate your participation on the design team who worked on the design project sponsored by your company or organization. We would like to use your feedback to assess the performance of our students. This assessment will be used to make improvements to our program. For benchmarking please use the employees in your company or other individuals that you have observed performing similar tasks.

Please circle your rating (see scale definition below) for the following questions to assist us in this effort. If you have not had an opportunity to observe the performance of our students in a particular category, please leave your response blank.

- 7: Excellent performance of quality near perfection.
 - 6: Excellent performance
 - 5: Good performance considerably above average.
 - 4: Good performance slightly above the average.
 - 3: Average performance.
 - 2: Below average performance.
 - 1: Unsatisfactory performance.
1. The students were able to apply knowledge of mathematics, science, and engineering to the project they completed. 1 2 3 4 5 6 7
 2. The students demonstrated the ability to design and conduct experiments as well as analyze and interpret data. 1 2 3 4 5 6 7
 3. The students were able to design systems, components, or processes to meet desired needs within realistic constraints. 1 2 3 4 5 6 7

4. The students demonstrated the ability to function on a multidisciplinary team. 1 2 3 4 5 6 7

5. The students were able to identify, formulate, and solve the engineering problems in their project. 1 2 3 4 5 6 7

6. The students acted professionally and ethically during the completion of their project. 1 2 3 4 5 6 7

7. The students demonstrated the ability to communicate effectively by written, oral, and graphical means. 1 2 3 4 5 6 7

8. The students demonstrated awareness of global, economic, environmental, and societal contexts when completing their project. 1 2 3 4 5 6 7

9. The students were able to learn new topics as needed to complete their project. 1 2 3 4 5 6 7

10. The students demonstrated knowledge of contemporary issues that could impact their project. 1 2 3 4 5 6 7

11. The students demonstrated the ability to use the techniques, skills, and modern engineering tools necessary for mechanical engineering practice. 1 2 3 4 5 6 7

12. The students were able to apply principles of engineering, basic science, and mathematics to model, analyze, design, and realize physical systems, components or processes. 1 2 3 4 5 6 7

13. The students demonstrated the ability to work professionally in the areas of thermal and mechanical systems. 1 2 3 4 5 6 7

Please use the backside of this form to make any other comments that you feel are pertinent. Thank you very much for your help in supporting our student design projects!

Signature _____ Date _____