Methods of Assessing Student Learning in Capstone Design Projects with Industry: A Five Year Review

Session Goals and/or ABET Criterion (Criteria) Addressed
The goal of this session is to share assessment methods that have been successful and to get feedback from participants. We are interested in what participants are doing in their institutions and suggestions for improving our methods. The session primarily addresses EC 2000 Criterion 3 (c), “an ability to design a system, component, or process to meet desired needs.”

Presentation Format
What format will you use for your presentation (e.g., lecture plus question and answer, interactive workshop, etc.)? Lecture, question and answer, and active learning.

Session Summary
In a paragraph or in outline form describe the contents of your session.
This session presents six distinct techniques that we use for assessing student industrial design projects; namely, Design Reports, Oral Reports, Student Self Assessment, Company Evaluations, Status Reports, and Peer Evaluations. We will discuss how and why we have changed some of our instruments to get better insight into the performance of our students.

Key Words
List keywords that will help a reader decide whether to attend your session (e.g., portfolio assessment, designing questionnaires and surveys, etc.).
capstone design, projects with industry

Bibliography


Session Presenters

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