Student Self-Assessment of ACE 10 Outcomes

YASAR DEMIREL
University of Nebraska Lincoln, ydemirel2@unl.edu
The ACE Outcome 10 requires students to generate a creative or scholarly product that requires broad knowledge, appropriate technical proficiency, information collection, synthesis, interpretation, presentation, and reflection.

Will the student self-assessment of the extent of attainment of outcomes in a student output improve learning and teaching?

### Student Work

**Product & Process Design Projects**

1. In-Class Team work
2. Project Preliminary Report
3. Project Progress Report
4. Project Final Report
5. Midterm Exam

Students design and simulate physical and chemical processes that require broad range of knowledge, ability to apply mathematics, science and engineering, use of computer, synthesis, interpretation, and presentation.

### Improving ACE 10 Learning

Capstone design creates opportunity for the Department and for the faculty to develop an assessment tool for improving the level of integration of science, engineering, and social values for solving engineering problems.