

Having reviewed ABET a-k, the International Environmental Design Contest (IEDC) in the current setting applies to items a, b, c, d, e, f, g, h, j, and k. Specifically the IEDC provides outcomes such as critical thinking, quantitative reasoning, interpersonal skills, problem solving, integrating and transferring learning, communication skills, ethical understanding, and current event challenges related to engineering, as well as global issues and challenges. The students must be able to design and demonstrate functionality of a complex engineering system in an interdisciplinary manner. We believe that the IEDC also addresses ABET item i as it serves as a technique to energizing the students and inspire life-long learning.

The IEDC also provides professional evaluation of the strengths and areas for improvement, feedback and assessment after the contest addressing the ABET feedback requirement. Previous teams have successfully submitted their papers and posters from the contest to various conferences and journals for publication.

The scores were based on the following criteria:

**Paper**

Executive summary, basis for design, equipment and process selection, depth of research, laboratory evaluation, testing, waste generation, discussion of legal and health implications, economic analysis and/or cost benefit discussion, professional audits/public involvement, overall quality/succinctness, clarity of communication.

**Oral Presentation**

Completeness of presentation, inclusion of key sections, effectiveness, team participation, audio-visual materials, and ability to answer questions

**Bench**

Effectiveness and overall performance, originality, craftsmanship, completeness, safety, environmental and public health considerations, waste generation, cost effectiveness, scalability, processing time, ease of use, reliability, communication and ability to answer questions

**Poster**

Effectiveness, graphic impact, presentation, completeness, and ability to answer questions