Annual Assessment Report 2020-2021

BS Electronic Systems Engineering Technology

Electromechanical Engineering

College of Engineering

CONTACT
Name of Program Assessment Lead Farhana Abedin / Scott Boskovich
Name of Person Completing Report Scott Boskovich

DISCIPLINARY ACCREDITATION Yes

DEVELOPMENT AND DOCUMENTATION OF STUDENT LEARNING OUTCOMES
How were the program's SLOs developed? (select all that apply)
  o   Our disciplinary accrediting agency has <u>required</u> learning outcomes, so we use them.

Other than the CPP Catalog and the Office of Assessment and Program Review website, where else are your SLOs published? Select all that apply.
- Department Website - provide URL: https://www.cpp.edu/engineering/et/eset/outcomes.shtml

ASSESSMENT ACTIVITIES IN 2020-2021

This section provides the opportunity for programs to share and discuss assessment activities conducted in **AY 2020-2021.** This includes data collection, rubric development, data analysis, discussion of findings, development or implementation of closing the loop improvement strategies, update of your assessment plan and/or curriculum matrix, etc.

How many total SLOs does your program assess according to your assessment plan?
- 5

How many SLOs did your program assess this past year in 2020-2021?

- My program assessed SLOs in AY 2020-2021

Please list the SLOs examined

- SLO #1: An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and to identify and use appropriate technical literature

Student Learning Outcome (SLO): SLO #1: An ability to apply written, oral, and graphical communication in broadly-defined technical and non-technical environments; and to identify and use appropriate technical literature

Assessment Activities	Evidence Used	Evaluation and Interpretation of Evidence
• Collected direct evidence (e.g., student work, exam items, etc.)	• Capstone product (e.g., project, senior thesis etc)	

Findings			
N of Artifacts	Criterion Used	Goal Met	Eye-opening Result
	Criteria 1: Communicates information in a logical, well-organized manner Criteria 2: Uses graphics effectively to illustrate concepts		Senior design project presentations were used to collect the data. • Approximately 73% of students fall under exemplary category and 27% fall under proficient category for this outcome in case of criteria 1. • Approximately 60% of students fall under exemplary category and 40% fall under proficient category for criteria 2.
	Criteria 3: Student uses evidence to support positions/the evaluation of evidence		Senior design students were asked to submit an executive summary of their project individually. • Approximately 67% of students fall in the proficient category and 33% fall under developing category for this outcome in case of criteria 3.

IMPROVING THROUGH ASSESSMENT

Overall, what best describes how the program used the results in 2020-2021? Select all that apply.
- Course-level changes (e.g., syllabus, content, pedagogy)
- Results indicated no action needed because students met expectations

Ideas to improve student learning can come from different constituents. With whom did the program discuss assessment planning and/or share results during AY 2020-2021? Select all that apply.
- Program/department faculty as whole

The past academic year posed both challenges and opportunities. Please share any assessment discoveries (e.g., insights about assessment procedures, great achievements, etc.) regarding program assessment in 2020-2021 so that others may learn from your experiences.
Access to student work through electronically available senior capstone project presentations to the department and college.

CPP's GI2025 goals focus on eliminating equity gaps. What plans do you already implement, or would implement to support the campus' diversity, equity, and inclusion (DEI) efforts? (e.g., planned or current disaggregation of assessment data by race/ethnicity, etc.)
 Faculty are attending university provided workshops.

The most current assessment plan and curriculum matrix we have on file for your program may be found here. To ensure we have the most updated assessment plan and curriculum matrix for your program, and for posting on our website, please upload the following documents:

Assessment Plan No

Curriculum Matrix No

If you would like us to review other assessment documents such as your evidence (e.g., assignment, survey, interview questions etc.) or scoring rubric, please upload/provide them. (Select all that apply)
- Evidence