COLLEGE ANNUAL ASSESSMENT REPORT

Assessed Year: 2019-2020

College: Engineering, Technology, and Computer Science

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PURDUE UNIVERSITY FORT WAYNE

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PURDUE UNIVERSITY FORT WAYNE

Section 1: Summary of Findings

The following undergraduate programs within the College of Engineering, Technology, and Computer Sciences submitted an assessment report: Civil Engineering, Construction Engineering Technology/Construction Management, Computer Engineering, Computer Engineering Technology, Computer Science, Electrical Engineering, Electrical Engineering Technology, Industrial Engineering Technology, Information Technology, Mechanical Engineering, and Mechanical Engineering Technology. The college assessment committee reviewed all of these reports. The overall findings based on these reviews include the following:

1. The review process across the various undergraduate programs are well established. The review process includes multiple stakeholders that are involved in the assessment process.
2. All of the assessed programs have clearly stated student learning outcomes aligned with ABET guidelines, where appropriate.
3. Overall, reports are well organized, and the results are clearly presented. Specific suggestions were provided to programs regarding the organization and presentation of the reporting results. The recommendations are noted in the memos sent to the chairs and director of the various academic units within ETCS.
4. Some programs reported historical data. For the most part, the reports provide information on how curricular and pedagogical changes influenced student learning.
5. Programs provide recommendations for improvement based on their assessment results and analysis.
6. The majority of the reports provide multiple types of measurement to assess learning. These include direct and indirect measures.
7. Most programs dissemante reports to the faculty and industrial advisoy boards. Some programs do not provide clear information on who was involved in producing the report and to whom it was disseminated.

SECTION 2: RECOMMENDATIONS FOR ACADEMIC DEPARTMENTS

Section 2: Recommendations for Academic Departments

Each program's assessment plans, reports, and committee memos from current and previous years are on OneDrive and shared with all ETCS Assessment Committee members. This year, each program's report within the college was reviewed by two ETCS Assessment Committee members. After reviewing their assigned reports, each team of two committee members drafted a memo that provided a summary of their feedback and recommendations. The Interim Assistant Dean, who chairs the committee, edited the memos if needed and occasionally asked a team to clarify or provide more information. All the memos submitted to the chairs and the dean are attached. Specific recommendations for academic departments are supplied within the memos.

SECTION 3: RESULTS OF ACTIVITIES RELATED TO PRIOR YEAR FINDINGS

Section 3: Results of Activities Related to Prior Year Findings

This is still a work in progress with continuous improvement and evolution. Most college programs can improve their reporting of changes made and how these changes are currently being assessed. However, the following items are occurring:

1. The ETCS Assessment Committee followed the same protocol that was implemented three years ago. This has helped streamline the process immensely. The majority of the college committee membership remained the same this year, resulting in a smooth process. The committee members recognize the importance of the assessment process. However, they expect to receive feedback regarding the college level report.
2. Many of the reports could more clearly address how they have used the college committee's feedback in their assessment processes. This is a recurring theme that must be monitored.
3. Most programs need to include more historical data to assess if improvement in student learning is occurring. A few programs have demonstrated improvement in this regard.
4. The ETCS Assessment Committee recommends revising the current rubrics used to evaluate programs. While the rubrics address our university's major components, a revision could help evaluators in ETCS better assess our programs.

SECTION 4: CONCLUSIONS AND FUTURE DIRECTIONS

Section 4: Conclusions and Future Directions

Overall, the college-level review process was successful, and we hope the committee found reviewing other programs' plans and reports to be helpful. The committee will meet to discuss specific recommendations to improve the college level review/process and help programs continuously strengthen their assessment efforts. We expect that the feedback provided will improve both the assessment processes and the reporting in the future. We hope that academic programs will carefully consider ways to improve and address the ETCS Assessment Committee's recommendations.

ATTACHMENTS

Attachments

1. The memos with the ETCS Assessment recommendations of their annual assessment report and or the completed Appendix D Rubrics for all departments/programs in ETCS.
2. Departmental/Program Annual Assessment reports.
3. Program Assessment plans.