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| **Abstract:** |  |
| Abstract— Electronics as a course is one of the essential courses in the BSc EEE program and its outcomes are indicators of success. The main aim of this research work is to assess and evaluate the course outcomes of the electronics course of the Bachelor of Science in Electrical and Electronic Engineering program, incorporating higher-order thinking skills and complex engineering problem-solving skills among the students. To compute and appraise the course outcomes of this course and hence its impact on the program outcomes, we used direct assessment data from various formative and summative assessment tests during a particular semester. Finally, statistical analysis is performed to check whether a particular student cohort of electronics courses could achieve this or not. All the participating students have attained the benchmark set before the start of the course. Finally, course survey results and a few recommendations are provided as a measure of the continuous quality improvement method. | |