**Continuous Improvement Plan**

**Department’s Mission: To impart design, development and trouble shooting skills to the students to have successful technician career in electronics industry.**

**Date:** 4/17/19 **Name of Program/Unit:** Electronics Engineering

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**Table 1: CIP Outcomes, Measures & Targets Table (focus on at least one for the next two years)**

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| **A. Expected Outcome(s)**  Results expected in this unit  (e.g. Authorization requests will be completed more quickly; Increase client satisfaction with our services) | **B. Measure(s)**  Instrument(s)/process(es) used to measure results  (e.g. survey results, exam questions, etc.) | **C. Target(s)**  Level of success expected  (e.g. 80% approval rating, 10 day faster request turn-around time, etc.) |
| Make class size as 18 for classes held in H-150, PRC to justify equipment/student ratio | 18 work terminals/tables with 9 equipment stacks | 100% |
| New classes in the consolidated degree plan | Curriculum developed  Space and lab equipment  Course Offerings  Enrollment | 100%  100%  100%  50 - 60% |
|  |  |  |

**Description of Fields in the Following CIP Tables:**

**A. Outcome(s)** -Results expected in this program (e.g. Students will learn how to compare/contrast conflict and structural functional theories; increase student retention in Nursing Program).

**B. Measure(s)** -Instrument(s)/process(es) used to measure results

(e.g. results of surveys, test item questions 6 & 7 from final exam, end of term retention rates, etc.)

**C. Target(s)** -Degree of success expected (e.g. 80% approval rating, 25 graduates per year, increase retention by 2% etc.).

**D. Action Plan** -Based on analysis, identify actions to be taken to accomplish outcome. What will you do?

**E. Results Summary** - Summarize the information and data collected in year 1.

**F. Findings** - Explain how the information and data has impacted the expected outcome and program success.

**G. Implementation of Findings** – Describe how you have used or will use your findings and analysis of the data to make improvements.

**Table 2. CIP Outcomes 1 & 2 (FOCUS ON AT LEAST 1)**

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| 1. **Outcome #1**   Make class size as 18 for classes held in H-150, PRC to justify equipment/student ratio | |
| 1. **Measure (Outcome #1)**   18 work terminals/tables with 9 equipment stacks | 1. **Target (Outcome #1)**   100% |
| 1. **Action Plan (Outcome #1)**   To make sure that there are only 18 work terminals/tables with 9 equipment stacks in classroom H-150, PRC, by adding missing ones and removing extra ones | |
| 1. **Results Summary (Outcome #1)**   Achieved 18 work terminals/tables with 9 equipment stacks | |
| 1. **Findings (Outcome #1)**   The equipment count matches with the class size. It provides each student in the classroom with proper equipment to conduct classes and practice hands-on skill in each class. | |
| 1. **Implementation of Findings**   The improvement of implementing findings has been demonstrated. | |

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| 1. **Outcome #2**   New classes in the consolidated degree plan | |
| 1. **Measure (Outcome #2)**   Curriculum developed  Space and lab equipment  Course Offerings  Enrollment | 1. **Target (Outcome #2)**   100%  100%  100%  50 - 60% |
| 1. **Action Plan (Outcome #2)**   Develop six new classes listed below  EECT 2439 Communications Circuits  CETT 1409 DC-AC Circuits  INTC 1307 Instrumentation Test Equipment  CETT 2471 Emerging Topics in Engineering Technology  CETT 1407 Introduction to Electronics  TECM 1343 Technical Algebra and Trigonometry  Add new necessary equipment for these new classed, for example, spectrum analyzer, Matlab software and toolboxes | |
| 1. **Results Summary (Outcome #2)**   Six new courses all successfully developed and offered | |
| 1. **Findings (Outcome #1)**   There are many positive feedbacks from our students and industrial advisory board. | |
| 1. **Implementation of Findings**   Our students’ skill set matches with the current industry needs. | |