**Course Assessment Plan**

**Program: Electrical Automation Technology Course Title: Introduce to Automation and Control Circuits**

**Instructor: Matthew Leigh**

**Semester: Fall 2018 Total # Scheduled Sessions:80 Days**

**Action Plan implemented from Spring 2018 Semester**

**Step 1: How will the outcome(s) be assessed to determine achievement?**

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| **Course Outcome** | **Methods of Assessment** | |
| **Assessment Process** | **Level of Achievement** |
| **CLO #1:** Create and analyze motor control logic and wiring diagrams. | **What:** Course mid-term. The mid-term shall complete our unit on Manual Motor Controls. The test shall consist of both a written exam and a hands on exam. The written exam shall be used for this outcome assessment.  **How:** The students shall be tested on their knowledge in written form using a multiple choice and fill in the blank test. The student shall receive a grade based on their knowledge of the subject matter.  **Who:** Matthew Leigh  **When:** Wednesday October 17th, 2018  **Where: Ranken’s Wentzville location, Taylor Building, room T-105** | **Criteria:**  The written test shall be graded based on the answer key.  **Success Level:**  Students shall exhibit their knowledge on the written test by achieving a grade of 75% or higher.  **Expected Achievement**: 85% student success level  **Students Included:** All students enrolled in the course |

**Step 2: What were the results, what do they mean, and what is the plan to improve, if needed?**

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| **Course Outcome** | **Assessment Results** | |
| **Analysis** | **Plan for Improvement** |
| **CLO # 1:** Create and analyze motor control logic and wiring diagrams. | **Date of assessment:** October 19th, 2018  **Total Number of Students:** 11  **Number of students Meeting Success Level:** 11  **Number of students Not Meeting Success Level:** 0  **Key Findings:** All students performed well on the written portion of the mid-term. Class average was 96.7. All questions appear to be appropriate for knowledge comprehension of the manual motor controls unit.  **Conclusions:** Continue using Kahoot as a drill/game exercise to prepare students for the mid-term.  **End Result:**  *(Did 85% meet expected achievement as described in Step 1?)*  Achieved  Not Achieved  Inconclusive | **Effect on Student Learning:** The addition of using Kahoot as a preparatory tool for the mid-term was very successful. I will continue to use this tool in the future.  **Actions Taken**: The continued use of Kahoot as valuable tool. The Hands-On PLC textbook was not an effective learning platform and will be removed from future courses.  **Re-assessment Date:** Summer 2019 |