

Assessment: Course Four Column

Courses (CTE) - Electrical Instrumentation Tech

EIT 437:Computer Analog Control

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Engineer a functional PLC system with AutoCAD drawings - Engineer a functional PLC system with AutoCAD drawings Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Written and Practical Test Criterion: 100% passing rate with a passing grade of C- or better</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes 100% students successfully completed lab activities (09/04/2019)</p>	
<p>Pogramming language used in PLC systems and write a program - Learn the programming language used in PLC systems and write a program Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Written Test Criterion: 100% Passing rate with a passing grade of C- or better</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes 100% Pass (09/04/2019)</p>	
<p>Wire and install PLC components from IO cards to power supplies - Be able wire and install PLC components from IO cards to power supplies Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Practical Test Criterion: 100% Passing rate with a passing grade of C- or better</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes 100% Pass (09/04/2019)</p>	
<p>Troubleshoot errors in installation and programming - Troubleshoot errors in installation and programming Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Exam - Practical Test Criterion: 100% Passing rate with a passing grade of C- or better</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes 83% Pass</p> <p>Results Analysis: 1 student did not meet criteria for the practical and dropped out of the class. (09/04/2019)</p>	<p>Action: Every student to complete each lesson and lab exercise (09/04/2019)</p>

<i>Course Outcomes</i>	<i>Assessment Measures</i>	<i>Results</i>	<i>Actions</i>
<p>Connect field devices to conventional control panels and PLC I/O - Connect field devices to conventional control panels and PLC I/O</p> <p>Course Outcome Status: Active Next Assessment: 2023-2024</p>	<p>Practical Test - Practical Criterion: 100% Passing rate with a passing grade of C- or better</p>	<p>Reporting Period: 2018-2019 Criterion Met: Yes 100% Pass</p> <p>Results Analysis: Students engaged in the troubleshooting activity and engaged in the hands on experience very well. (09/04/2019)</p>	<p>Action: Will have more instruments with the new lab up and running now. (09/04/2019) Follow-Up: Course flow was much better than last year. All the students were able to interface the HMI and PLC to the DAC trainers for flow and level control. Adding the point I/O to the system was extremely helpful in testing all the students program. Robert was of great assistance in facilitating this to completion. (09/04/2019)</p>