



Unit Action Plan

Department Information			
Department Name:	Industrial Technology		
Leader:	Mel Elliston	Submitted by:	Mel Elliston
Date Submitted:	9/2/2006	Review Period:	09/01/2006 To 08/31/2007
Unit Purpose Statement:	The ITec Department is committed to supporting the TSTC Strategic Plan and be the premier provider of advanced technical educations and technical assistance to industry. The Department will develop and deliver exemplary instructional programs for the application of current and emerging technologies in the industrial maintenance field.		
1st Goal/Objective			
Classification:	Instructional	College Master Goal:	Learning
Unit Goal:	Build a training facility that supports student learning in a real world environment. It will have six pumping stations that consist of the following: 1. 500 gallon tank 2. ¾ to 1 hp motor and pump 3. Piping and valves to facilitate manual, semi-automatic, and automatic control process.		
Information Source Leading to This Unit Goal:	<input type="checkbox"/> Assessment of the College <input checked="" type="checkbox"/> Departmental Assessment <input type="checkbox"/> Graduation Follow-Up Survey	<input type="checkbox"/> End of Course Survey <input type="checkbox"/> Student Environment Survey (CCSSE) <input type="checkbox"/> Institutional Research Data	<input checked="" type="checkbox"/> Other <b>Explain Here:</b> Feedback from the ITec Advisory Committee on student performance and knowledge of plant
Amount Budgeted:	\$12,000.00		
Budget Explanation:	Funds approved to purchase equipment - pumps, motors, AC drives, PLCs, motor starters, discrete controls, hardware, electrical supplies, and material to build the tanks.		
Strategies:	The stations are constructed to provide students with an environment to practice equipment installation, process control and adjustment, and troubleshooting a real world system. The advanced welding class will build the tanks per department specifications. Room 120 at the North Building will be prepared by adding electrical wiring, drains,		
Expected Outcomes:	1. Graduates will have more confidence in their abilities as maintenance technicians. 2. A show place to sell the ITec Program to potential students and employers. 3. Better lab equipment. better training and more productive graduates.		
Evaluation Instruments Used To Measure Goal:	<input type="checkbox"/> Assessment of the College <input checked="" type="checkbox"/> Departmental Assessment <input checked="" type="checkbox"/> Graduation Follow-Up Survey	<input checked="" type="checkbox"/> End of Course Survey <input type="checkbox"/> Student Environment Survey (CCSSE) <input type="checkbox"/> Institutional Research Data	<input checked="" type="checkbox"/> Other <b>Explain Here:</b> Feedback from ITec Advisory Committee on student performance and knowledge
Mid-Cycle Outcomes			
Mid-Cycle Date:	2/16/2007	Expected Outcomes Met?	Yes
Extent Outcomes Were Met:	ITec Department is on track to date. The welding class is scheduled to finish the tanks by March 1st. The department is continuing research to purchase equipment and supplies.		
Other Factors:	The department is working with industry through the Advisory Committee for assistance with materials, drawings, and layout of system.		
Final Outcomes			
End-Cycle Date:	8/31/2007	Expected Outcomes Met?	Yes
Extent Outcomes Were Met:	However; at present we are behind schedule by about two or three months. The three 500 gallon tanks and stands were completed by the welding shop. The inside coating for the tanks was applied. Three pumps with motor controls were purchased and ready for installation. Most the pipe and connectors are purchased and ready for		
Other Factors:	Each tank will have two pumping stations when completed over the next of couple of years. The first two years are scheduled for completion of one pumping station per tank.		
Additional Needs Identified Through Evaluation:	Identifying the additional equipment that will be needed to complete the three pumping stations and get them intigrated into the ITec budget. Identify individual courses that can take advantage of the pumping stations to improve/enhance student learning.		
Recommended Action For Next Year:	Finish the three tanks and three pumping stations with full instrumentation for process control for level, flow, pressure, and temperature.		



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2nd Goal/Objective			
Classification:	Instructional	College Master Goal:	Growth
Unit Goal:	Increase enrollment in the ITec Department's AAS degree programs by 10% over the next year. Increase enrollment in the Welding Program to 25 students over the next year.		
Information Source Leading to This Unit Goal:	<input checked="" type="checkbox"/> Assessment of the College <input type="checkbox"/> End of Course Survey <input checked="" type="checkbox"/> Departmental Assessment <input type="checkbox"/> Student Environment Survey (CCSSE) <input type="checkbox"/> Graduation Follow-Up Survey <input checked="" type="checkbox"/> Institutional Research Data	<input type="checkbox"/> Other	Explain Here:
Amount Budgeted:	\$10,000.00		
Budget Explanation:	Funds approved to upgrade welding lab equipment to support the new welding certificate program started Fall of 2006.		
Strategies:	1. Work with the Marketing/Recruiting Department to advertise the department. 2. Support open house and career days. 3. Encourage Advisory Committee Members to support and promote the ITec Programs in the community and		
Expected Outcomes:	1. Increase AAS student enrollment and/or retention of at least 10% 2. Increase the quality and number of graduates		
Evaluation Instruments Used To Measure Goal:	<input type="checkbox"/> Assessment of the College <input type="checkbox"/> End of Course Survey <input checked="" type="checkbox"/> Departmental Assessment <input type="checkbox"/> Student Environment Survey (CCSSE) <input checked="" type="checkbox"/> Graduation Follow-Up Survey <input checked="" type="checkbox"/> Institutional Research Data	<input type="checkbox"/> Other	Explain Here:
Mid-Cycle Outcomes			
Mid-Cycle Date:	2/16/2007	Expected Outcomes Met?	No
Extent Outcomes Were Met:	First enrollment (FA/06) of the Welding Program was only 3 students. Enrollment in AAS programs for FA-06 did not have an increase.		
Other Factors:			
Final Outcomes			
End-Cycle Date:	8/31/2007	Expected Outcomes Met?	Yes
Extent Outcomes Were Met:	ITec Department had an increase of 14.7% from FA-06 (68 students) to FA-07 (78 students); however, the welding program enrollment in FA-07 was only 14 which is 11 under the goal of 25.		
Other Factors:	Many businesses in the area are looking for welders but not necessarily welders with certificates. Many jobs in the welding field are very repetitive and require very little or only selected welding skills; therefore, many welders are hired and trained on the job.		
Additional Needs Identified Through Evaluation:	Find those companies that need welders with more advanced skill with a variety of welding techniques. Department is presently looking at increasing pipe welding and fitting into the certificate program.		
Recommended Action For Next Year:	Continue to work with recruiting, local schools, and industry to advertise and promote the ITec Programs: Industrial Maintenance, Industrial Electrical, and Welding Programs.		



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3rd Goal/Objective			
Classification:		College Master Goal:	
Unit Goal:			
Information Source Leading to This Unit Goal:	<input type="checkbox"/> Assessment of the College <input type="checkbox"/> Departmental Assessment <input type="checkbox"/> Graduation Follow-Up Survey	<input type="checkbox"/> End of Course Survey <input type="checkbox"/> Student Environment Survey (CCSSE) <input type="checkbox"/> Institutional Research Data	<input type="checkbox"/> Other <b>Explain Here:</b>
Amount Budgeted:			
Budget Explanation:			
Strategies:			
Expected Outcomes:			
Evaluation Instruments Used To Measure Goal:	<input type="checkbox"/> Assessment of the College <input type="checkbox"/> Departmental Assessment <input type="checkbox"/> Graduation Follow-Up Survey	<input type="checkbox"/> End of Course Survey <input type="checkbox"/> Student Environment Survey (CCSSE) <input type="checkbox"/> Institutional Research Data	<input type="checkbox"/> Other <b>Explain Here:</b>
Mid-Cycle Outcomes			
Mid-Cycle Date:		Expected Outcomes Met?	No
Extent Outcomes Were Met:			
Other Factors:			
Final Outcomes			
End-Cycle Date:		Expected Outcomes Met?	
Extent Outcomes Were Met:			
Other Factors:			
Additional Needs Identified Through Evaluation:			
Recommended Action For Next Year:			



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4th Goal/Objective			
Classification:		College Master Goal:	
Unit Goal:			
Information Source Leading to This Unit Goal:	<input type="checkbox"/> Assessment of the College <input type="checkbox"/> Departmental Assessment <input type="checkbox"/> Graduation Follow-Up Survey	<input type="checkbox"/> End of Course Survey <input type="checkbox"/> Student Environment Survey (CCSSE) <input type="checkbox"/> Institutional Research Data	<input type="checkbox"/> Other <b>Explain Here:</b>
Amount Budgeted:			
Budget Explanation:			
Strategies:			
Expected Outcomes:			
Evaluation Instruments Used To Measure Goal:	<input type="checkbox"/> Assessment of the College <input type="checkbox"/> Departmental Assessment <input type="checkbox"/> Graduation Follow-Up Survey	<input type="checkbox"/> End of Course Survey <input type="checkbox"/> Student Environment Survey (CCSSE) <input type="checkbox"/> Institutional Research Data	<input type="checkbox"/> Other <b>Explain Here:</b>
Mid-Cycle Outcomes			
Mid-Cycle Date:		Expected Outcomes Met?	
Extent Outcomes Were Met:			
Other Factors:			
Final Outcomes			
End-Cycle Date:		Expected Outcomes Met?	
Extent Outcomes Were Met:			
Other Factors:			
Additional Needs Identified Through Evaluation:			
Recommended Action For Next Year:			