NTID
Automation Technologies Program Outcomes Assessment
Plan and Report for AY 2007-2008

Program Goal: To provide students the job-entry skills needed to acquire positions in a wide array of automated environment, who will have as their primary responsibilities, to install, maintain, upgrade, troubleshoot and repair automated systems and their components.

Critical Outcomes for all Students		Assessment of Outcomes		Timeline		Results	
Domain/Task/ Capability	**Performance Criteria/ Benchmarks**	**Instrument/ Opportunity**	**Assessment of Performance**	**Develop**	**Collect**	**Summarization of Results**	**Use of Results**
1. Technical	A. Reading and interpreting drawings, schematics and technical specifications: Students will demonstrate the ability to read and correctly interpret electrical and mechanical drawings, schematics and technical specification sheets. B. Programming: Students will demonstrate an understanding of programming concepts relating to the control of a system or process.	Written and hands on project exam in Automated Systems I	A. Given an assembly or troubleshooting project, 80% of all students will be able to correctly read and interpret electrical and pneumatic drawings, schematics and other technical specification sheets needed to correctly assemble or troubleshoot equipment. B. Given written program segments, 80% of all students will be able to determine the function or purpose of the program segment.	20051	20072	All students (n=3) were able to correctly read and interpret pneumatic and electrical schematics and to troubleshoot assemblies. Two Year Accumulative: N=6, 6/6 (100%) met the acceptable entry level professional standards or higher.	Results were positive; however, we have a small pool and will continue to monitor the results.
2. Technical	Assemble, configuring and maintaining an automated system: Students will	Written and hands-on project exam in Automated Systems Trouble-	Given a basic automated system, 80% of all students will safely be able to correctly assemble	20051	20071	All students (n=2) showed strong aptitude in designing & assembling a new system from general	Results were positive; however, we have a small pool and will continue to monitor

	be able to safely assemble, upgrade, configure, repair and maintain a basic automated system.	shooting II	additional workable subsystems and demonstrate proficiency in controller program installations, configurations, interfacing, diagnostics, repair and maintenance.			guidelines.	the results.
3. Job Skill	Students will demonstrate problem-solving, decision-making, responsibility, pride in self and work performance, and other learned behaviors and attitudes necessary for entering the work force and being self-sufficient.	Co-op Supervisor Evaluation Form	Score of 3 or higher on RIT Supervisor On-line Co-op Evaluation system, sections "Interaction in the Work Environment," "Quality of Work," and "Communication and Literacy Skills."	20054	Summer 20074	For students in the Engineering Studies Department, the mean ratings exceeded all performance expectations during the four quarters 20064-20073.	Met expectations and no action needed.
4. Co-op Work Experience	Students will demonstrate technical competency on the job in Automation Technology.	Co-op Supervisor Evaluation Form	Score of 3 or higher on RIT Supervisor On-line Co-op Evaluation system, overal student job performance question.	20054	Summer 20074	For students in the Engineering Studies Department the mean rating by co-op supervisors who completed the evaluation online was 4.0 (N=15) during the four quarters 20064-20073.	Met expectations and no action needed.
5. Job Placement	Student will gain entry-level employment in Applied	NCE	90% of graduates will be employed in the area of automated	20062	Winter 20082	For AY 2005-2006 n=1; that student was working	Met expectations, although the pool is small. We

	Robotics field.		manufacturing.				will continue to collect and monitor this.
6. Student Satisfaction	Graduating students will indicate satisfaction with program and courses.	Survey	85% of students will rate all aspects of the program and courses as satisfactory or above.	Winter 20052	Fall 20081	We did not develop a survey.	We will develop a survey and poll during AY 20081 during the Department of Engineering Studies' 7th quarter curriculum mask.
7. Alumni Satisfaction	Alumni will indicate satisfaction with the instruction they received at NTID/RIT	Alumni Survey	80% of Alumni will rate their NTID/RIT experience as Good or Excellent (5-point scale) for the instruction they received.	AY 2007-2008	AY 2007-2008	For Engineering Studies Department AOS & AAS alumni who graduated from 2001-2006 and responded to the 2007 alumni survey, N=12; 91.7% indicated satisfaction.	Met expectations and no action needed.
Comments:							
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