

ROBOTICS/AUTOMATED SYSTEMS TECHNOLOGY ADVISORY COMMITTEE
 FOLLOW-UP MEETING
 December 15, 1997

Present: Phil Crockett, Manufacturing & Technological Services
 Dr. Carlos Olivarez, Dean, Academic and Student Services
 John Sefcovic, Paraprofessional
 Ruth Springer, Secretary
 Doug St. Clair, Faculty

Date Recommended	Advisory Committee Recommendations	Follow-Up Actions
10/10/96	2. That OCC explore the possibility of including a co-op experience in the Robotics Program. In Process	2. Mr. Doug St. Clair will work with Ms. Sally Kalson, Coordinator of Cooperative Education, to explore the possibility of adding a co-op class to the Robotics Program as a recommended elective.
10/10/96	4. That OCC attempt to provide some instruction in simulation as a part of the Robotics Program. In Process	4a. In October, 1997, a Deneb user group successfully used simulation software with the robots. 4b. Robotics staff has met with Ms. Cheryl Kozell, Executive Director of Workforce Development in regard to the renegotiation of the Deneb agreement, which has recently expired. Ms. Kozell will attempt to have included in the new agreement enough site licenses for the PC's in room T-4, as well as training for the Robotics staff.
10/10/96	6. That an advanced Programmable Logic Controller (PLC) class be added to the curriculum. Completed	6. ROB 214, Advanced Programmable Logic Controllers, was approved by the College Curriculum Committee in November, 1997, and by the Academic Senate in December. It may be offered in Spring/Summer 1998.
10/10/96	7. That OCC explore the possibility of adding classes in the repair of personal computers and in C programming to the curriculum. Completed	7a. Instruction in the repair of personal computers has been incorporated into the new ROB 214 course (see no. 6). 7b. Structured programming concepts are taught in all Robotics classes.

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10/10/96	<p>9. That, rather than requiring ATF 140 and ATF 147, the material needed by Robotics students in the areas of Pneumatics and Hydraulics be taught in a single class, with the primary emphasis on Pneumatics.</p> <p>In Process</p>	<p>9. OCC staff will continue to explore the possibility of offering a single Robotics class covering both Pneumatics and Hydraulics. They will need to determine whether such a class would be in conflict with already existing classes, and whether the right equipment is available to teach it.</p>
10/10/96	<p>11. That OCC explore the possibility of including more instruction in communication skills, including writing, speech, and listening skills, as a part of the Robotics Program.</p> <p>In Process</p>	<p>11. Ms. Suba Subbarao has developed a course which covers the communications and problem-solving skills needed by students in technical programs. Mr. Brent Meyers is working with her to have it approved through the curriculum process as a potential required course for Technology Department programs which could also be used to satisfy General Education requirements.</p>
10/10/96	<p>12. That tours of area companies be included as a part of the instruction offered in the Robotics Program.</p> <p>In Process</p>	<p>12. Mr. St. Clair will make a first attempt during Winter 1998 to work with Mr. Randy Schroeder to arrange a tour of FANUC Robotics.</p>
3/24/97	<p>13. That if material needed by Robotics students in the areas of Pneumatics and Hydraulics is taught in a single class, the primary emphasis of the class be on Pneumatics.</p> <p>Combined with Recommendation 9</p>	<p>13. See no. 9.</p>
3/24/97	<p>15. That OCC consider the possibility of deleting one math course from the Robotics Program and adding a course in the repair of personal computers.</p> <p>Completed</p>	<p>15. At the suggestion of the advisory committee at their meeting on September 23, 1997, MAT 154, College Algebra, and MAT 156, Trigonometry, have been deleted from the program, and MAT 115, Intermediate Algebra, has been added in their place. This change has been approved through OCC's curriculum process.</p>
3/24/97	<p>16. That Robotics students be surveyed to find out what kind of students the program is serving and what their needs and career goals are.</p> <p>In Process</p>	<p>16. Dr. Olivarez will put together a draft of a survey to be reviewed by the advisory committee at their next meeting.</p>

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9/23/97	17. That report-writing of the type normally done on the job be incorporated into the Robotics curriculum as much as possible. In Process	17a. Students in the advanced Robotics classes are currently required to document in writing the process used to complete their assignments. 17b. See no. 11.
9/23/97	18. That Robotics students be required to do presentations in front of the class. In Process	18a. Instructors have attempted to have students do class presentations in the past, but have not continued due to the amount of class time which this type of assignment requires. 18b. See no. 11.
9/23/97	19. That a review of competencies and opportunity for new curriculum suggestions be included in the agenda for every advisory committee meeting. In Process	19. These items will be added to the standard agenda used at advisory committee meetings.
9/23/97	20. That OCC seek to add representatives of more companies to the Robotics Advisory Committee. In Process	20. Mr. St. Clair will attempt to identify other industry representatives who would be willing to serve on the advisory committee.

Respectfully submitted,



Ruth Springer

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