

PROFESSIONAL ACTIVITIES PROJECT PLAN AND FINANCING REQUEST

Calendar Year 2000

1. PROJECT TITLE Robot Project	
2. SPONSORING SECTION/COUNCIL/AREA/CHAPTER REGION 2 Baltimore Section	
3. TREASURER/ADDRESS Robert J. Berkovits 1015 Norman Drive, # 203 Annapolis, MD 21403-3074 410-990-1672 berkovitsr@jsc.mil	4. PROJECT MANAGER/ADDRESS/PHONE Neville Jacobs 10 Calypso Court Baltimore, MD 21209 410-653-4176 neville@aol.com
5. STATEMENT OF OBJECTIVES Provide an educational outreach effort to high school students. Through a fun & challenging project (robot) expose high school students to the practical world of engineering.	
6. PLANS FOR ACHIEVING OBJECTIVES The IEEE Baltimore Section Robot Project provides a kit of parts including instructions & drawings for building a walking robot. These kits are assembled by high school student to compete in the Engineers Week Maryland Engineering Challenge. To build the robot the high school student must solve a number of engineering challenges. These challenges are documented in an engineering notebook & the student must prepare a written & oral report of their experiences in building & operating their robot. IEEE volunteers act as mentors & advisors to each high school team.	
7. HOW ACHIEVEMENT WILL BE MEASURED The successful completion of building a walking robot and competing in the Maryland Engineering Challenge. All teams which compete in the challenge are a success story. They have learned to think through a number of engineering problems which constructing their robot and also to work together as a team.	
8. HOW MANY MEMBERS WILL BENEFIT FROM THIS PROJECT? Over 120 IEEE Baltimore Section members have participated in the Robot Project. This includes many IEEE student members from Johns Hopkins & Morgan State University. The IEEE volunteer gets satisfaction from working with the high school student in sharing his/her passion for engineering.	

Use additional sheets if necessary
 After completion, send this form to your Regional PACE Coordinator

January 2000

9. ACTIVITIES (list the major activities required for project achievement and the targeted completion dates):

Activities	Dates
1. Academic year planning session	6/1999
2. Teacher workshops	10/1999-11/1999
3. Distribute robot kits	11/1999-1/2000
4. Mentor sessions with high school teams	11/1999-4/2000
5. Robot workshop for the high schools	2/2000
6. Written report judging	4/2000
7. MD Engineering Challenge (Competition)	4/2000
8. Project wrap-up & awards	5/2000

10. FUNDING REQUIREMENTS (refer to activities above by number):

Type of Expense	Amount
1. Robot kits, spare parts	\$ 3730.00
2. Mailing, postage, paper, copying, meeting expenses	\$ 400.00
3. IEEE Ad in MD Challenge Program	\$ 75.00
4. Manuals & administration	\$ 1000.00
5. Ditto	\$ 264.25
6. Robot Project advertisement in Watts News	\$ 1000.00
TOTAL FUNDING REQUIRED	\$ 6469.25

11. PROJECT FUNDING SOURCES

Region	\$ 1927.25
Section	\$ 2220.00
Project Income	\$ 2322.00
Employment Assistance Cmte.	\$ _____
Other	\$ _____

12. DISBURSEMENTS

1) Regional Funds	
Advance disbursement (pre-event cost)	\$ _____
Final disbursement	\$ 1892.00
2) EAC Funds	
Advance disbursement	\$ _____
Final disbursement	\$ _____
TOTAL	\$ 1892.00

13. PROJECT APPROVAL

PACE Chair (Section/Area/Council/Chapter) DATE: _____

Chair (Section/Area/Council/Chapter) DATE: _____

Regional PACE Employment Assistance Program Coordinator (if applicable) DATE: _____

Regional PACE Coordinator DATE: _____

Regional Director DATE: _____