Grading Policy and Required Documents

The grading policy is copied as follows:

Grading Policy

- Attendance and Weekly Activity Report: 5%
- Mid Term Progress Report: 15%
- Technical Journal: 10%
- Peer Review & Team Work: 5%
- Final Written Report: 20%
- Final Presentation: 20%
- Demonstration: 25%

You can check the course website for attendance record and the updated scoreboard at


Please contact me if you find any mistakes.

Required Documents

In order to get the final grades, you must submit the following documents before the due date, all materials must be collected on or before May 28th.

A) Self evaluation and peer review form, (due date: 5/20/2004)
C) Final report (both hard and soft copy), (due date: 5/28/2004)
D) Power-point file of your oral presentation, (both hard and soft copy, including the pictures, videos), (due date: 5/28/2004)
E) Program source code (hardcopy and soft copy) with good format (must include a program header describing the file name, functions, authors, version, etc.), (due date: 5/28/2004)

Other Issues

Besides the above documents, team leader or his/her designated representative must check the completeness against your lab contract, and return the Lego kits, sensor components to the instructor on or before May 28. Any missing part will cause grade deduction of all team members. The final grades of every team members will be put on hold until all the kits/components are returned.

Each team has $100 budget allotment. You can reimburse the expenses within the budget by handing in receipts to the instructor (if you placed order on-line, you must include a copy of your credit card statement showing that you have been charged for that amount). You have to pay from your own pocket the expense beyond the budget. Please leave the stuff (components, tapes, batteries, etc) you purchased using departmental budget to the instructor. You can keep the stuff purchased out of your own pocket.
Guideline for Final Technical Report

The final report should be detailed enough to let the readers understand your project goal, your achievement, and technical details (such as procedures, material and methods, etc.).

The report may consist of the following parts:

Abstract
Table of Contents
List of Figures
List of Tables

Introduction
(project objectives, background information, summary of achievements, etc.)

Technical Details
For team A and B, it should include:
   1) Detailed description of robot locomotion, mechanical structure, (pictures are helpful)
   2) Sensors used and their characteristics
   3) System diagram showing the connection between the Handyboard resource and the sensors, motors, etc.
   4) Control strategy in searching objects, discriminating between obstacles and cola cans, dumping cans inside destination area, etc
   5) Software flowchart
For team E, each team member should describe his/her task, procedure, in great detail that new design team members can pick up the idea and re-do it with ease.

Lessons Learned
(problems encountered, possible solution or suggestions, etc)

Conclusion
(summary of your achievements)

Bill of Material
(list the components you ordered, including price, source, contact, website or Tel. No.)

References
(list the papers, patents, or websites you have referred)

Appendices
(include program source code, PCB or mechanical drawings, reference manual of the components you used in the design)