**TEXAS A&M UNIVERSITY**
**CPSC 483: COMPUTER SYSTEM DESIGN**
**SPRING 2007**

**GRADING CRITERIA for the WRITTEN FINAL COMMUNICATION**

The written final communication should clearly include ALL of the following sections:

- o Implementation Notes (30%): This document should contain "engineer's notes" that would allow a reasonably skilled engineer to understand, reproduce and modify your group's products. The discussion should be focused and practical.

- o Experimental results (30%): This document should contain:

  - A description of the tests you performed to validate the system,

  - Numerical results of these tests: success rates in the case of a classifier, receiver operating characteristics in the case of a detection system, trajectories in the case of a mobile robot, sensor traces and scatter plots in the case of a sensor system, etc.,

  - Analysis of these results, to help allow a reasonably skilled engineer to understand the data you obtained. Do these results match your expectations? Are they better or worse? Do these results tell you something about the system you were not aware of?, and

  - A collection of pictures and a movie demo of your final system. Sample pictures and movies have been posted on the course webpage.

- o User's Manuals (30%): This document should contain installation and operation instructions for the users of your product(s). It should be aimed at the "average user" of your system (please identify the characteristics of such user) and should not require that the reader be an engineering professional.

- o Course Debriefing (10%): This document should contain the group's collective answers to the following questions:

  - Did your *group management* style work? If you were to do the project again, what would you do the same, what would you do differently?

  - Are there any particular *safety* and/or *ethical* concerns with your product(s)? What steps did your group take to ensure these concerns were addressed? Are there any additional steps you would have taken if you were to do the project again?

  - Did you test your product(s)? Do they work as advertised? Can you think of any relevant situations in which you haven't tested your product(s)? If you were to do this project again, what additional *verification* and *testing* procedures might you add?

The expected contents and grading criteria for the final presentation have been posted on the course webpage.