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2.007 Design and Manufacturing I
Spring 2009

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Milestone 8

Completion Plan

Schedule for: week of 30 March to 3 April

Deliverables: **1. Completion Plan (in your lab notebook.)**
 2. Your machine completed to plan (for lab demo.)

Week's Activities

There are only five weeks left for design and manufacturing, starting with Monday, March 30 and concluding on Friday, April 31. All vehicles must be impounded by 4:30 pm on this Friday; although due to the crunch on time this week, you are strongly encouraged to impound earlier in the week during your lab time.

Your first deliverable this week is your Completion Plan, that is, your set of tasks and activities over these five weeks. Each week in lab you will demonstrate how you are doing against plan and make any necessary plan changes/refinements.

1. Completion Plan

The Course Calendar schedules lab activities for the next five weeks, Integration of design, Demonstration of integrated machine, Design iteration, Fabrication of improved machine, and Demonstration of improved machine. Take these as guidelines and develop a plan that fits your specific situation, i.e. your specific machine design, where you are in fabrication and test, and what you have left to do. Important points:

1. Put in a specific milestone for what you propose to demonstrate and where you will be at each of your weekly lab sessions. This is so you and lab instructor can tell whether or not you are on schedule.

2. You definitely should schedule time for iterations and refinements and fixes. Think of issues and challenges you have faced already and of how accurate your prediction of the required effort has been. Don't plan events for the last moment.

3. Students who have done well in the competition in past years have almost invariably put in a significant amount of time driving and practicing. Some practice under realistic conditions is of great value. Plan time for practice.

4. Progress during the final week is likely to be very slow because the lab gets very crowded, and during the afternoon labs table access is difficult because the various lab sections commandeer the tables for seeding. Moreover many people will be trying to catch up (but not you, of course, based on your excellent plan!)

2. Vehicle Progress

This deliverable is simple: make the progress on your machine as scheduled. (Or do better than your schedule!)

Milestone 8 Specific Deliverables

A. in Notebook

Your Completion Plan. (Task, planned date, actual date, planned effort, actual effort.) Leave space for updates and modifications to the plan.

B. in Lab

1. Demonstration of machine per your plan.