Timeline with Milestones and Fallback Plan- Project 1
Group 8
Submission date: Friday 30th Jan, 2004.

The following page in this report shows the timeline with milestones marked in February 6. The task allocation proposal and the timeline on each task is given in the chart. The team will work according to the timeline and there has been a deadline set for each task. If the team or the team member is lagging behind in his task, the fallback plan is also set up to cover the remaining glitch.

Each member of the team agreed on spending 8 to9 hours a week discussing the Team member's planning and discussing various topics related to the Project until it is done. The deadline on each task is decided based on the workload on the team members. This Project 1 is quite straight forward with specified tasks. The tasks we have to do on this project is to understand the hardware/software, design the robot, write the code, and to test and debug the code. The team members will meet on Mondays, Wednesdays, and Fridays, that's how we keep track the progress on each task. To make sure our Team Robotic design implementation is perfect, we will spend the last week on improving and testing robot and writing the report as well as preparing the presentation.

Determination of the Day of the Final Milestone

The team members decided to set a milestone of Friday, February 6 for finishing the project. The members chose this date because it would give them ample time to debug any last minute problems. Additionally, February 6 as a milestone will give the members a week to write the final report and work on the in-class presentation. The members hope to have the presentation ready by Friday, February 13 so they can rehearse the presentation, in a classroom using their PowerPoint slides, between 10:30 and 1:15 that morning. Furthermore, if this milestone were not met, the members would be able to delay the deadline by five days or even a maximum of seven days. In that event, the final report and in-class presentation could be written and rehearsed over the weekend.

How Members Will Know the Final Milestone has been reached

The team members, throughout the week of February 2, will construct a course in the Robotics Laboratory (or a Sarkeys classroom) according the specifications given in the project and consisting of all of the possible colors. When the robot passes this course successfully, hopefully by the end of Wednesday February 4, the group will add more tiles to the course, and move the order around. When the robot successfully navigates three courses of sixteen tiles each (making sure that all possible orders of colors are attempted in the completion of the three courses) in under five minutes, then the members will know that the milestone has been attained.

Timeline for the Tasks:

Tasks	Days Allocated	Deadline m/date
1) Understanding Hardware	1	1/26
2) Testing Controls and sensors	3	2/2
3) Download Interactive C in Computers	1	1/26
4) Understanding Interactive C	6	2/3
5) Writing Code for the Robot	7	2/7
6) Building Robot	6	2/4
7) Debugging code	3	2/6
8) Adjusting the functions/code on robot	2	2/6
9) Writing Presentation Report	6	2/10

The Graphical Representation of the Timeline for Project1

ID	Task Name	Duration	Start
1	Understanding Hardware	1 day?	Mon 1/26/04
2	**Testing controls used in the Proj**	**3 days?**	**Wed 1/28/04**
3	Camera	3 days?	Wed 1/28/04
4	IR sensors	3 days?	Wed 1/28/04
5	Driving Motors	3 days?	Wed 1/28/04
6	Lego connectors for wheels / Mi	3 days?	Wed 1/28/04
7	Download Interactive C	1 day?	Mon 1/26/04
8	Understand Interactive C	6 days?	Mon 1/26/04
9	Write program for the robot	5 days?	Thu 1/29/04
10	Build robot	6.5 days?	Wed 1/28/04
11	debug	3 days?	Wed 2/4/04
12	Adjust program upon on robot	4 days?	Fri 2/6/04
13	writing report	4.5 days?	Thu 2/5/04