Team Organization and Task Allocation Proposal

We divided the project mainly into 2 phases. The first one being building or assembling of the lego to build the robot and the other is integration of the sensors with it using and interactive C program. So, broadly we divided our group based on this as:

Patrick – assembly of the robot
 - for the first project he wanted to do the building

Tandy – programming and sensors
 - has past experience with programming on Motorola 68HC11 and interfacing different sensors with it so it would be best to have him concentrate on this area

Mayank – programming and sensing
 - has past experience developing robotic simulations so even he wanted to be a part of the programming team

Though the tasks have been organized as stated above, during the actual course of the project the tasks may not be carried out just based on them. It will be more of a team effort and all the members of the team will be doing a little bit of everything. This will not only make the project more fun but moreover each member of the team will get a hands-on experience on the various aspects of building a robot. And this experience would do good for future projects and learning in general.

Timeline with Milestones and Fallback Plans

The timeline and milestones to be achieved in the course of the project has be roughly made as under:

Feb 2 - Deciding the sensors to be used

Feb 2 - Working out how the sensors be integrated to get the required degrees of tuning

Feb 6,7 - Building the robot

Feb 9 – Getting the program done

Feb 10, 11 – Testing of the robot

Feb 13 – Demonstration

Feb 14, 15 – Robot documentation

Feb 16 – In-Class Presentation

Feb 19 – Evaluations

For fallback options, there could be some instances when the group may not be able to meet as decided or we might not be able to complete the milestone as we planned. In those case we will make sure that it is done the next day itself and that is why we have kept a day or 2 gap between our time schedules.