

## 2009 Project Plan for Team 09-0193

Members	Jobs	Comments	Wednesdays	Saturdays	Spring Break
Arvind H	leading		OK	OK	OK
Eliot R	leading		OK	OK	OK
Julia C	documentation		OK	no mornings	no
Katerine K	coding/building		OK	no afternoons	OK
James M	coding	workshop day 1	OK	no mornings	OK
Zach B	ideas/testing		OK	OK	OK
Adam F	ideas/testing		OK	OK	OK
Rehan B	building	workshop day 2	OK	OK	away
Praveen B	building		never	no mornings	?
Aditi S	building		OK	no mornings	OK
Manju S	coding/doc	workshop day 1	OK	OK	OK
Ellen F	coding/doc		OK	no afternoons	OK
Ermias K	?		OK	never	OK
Samir S	?		OK	never	OK

### Mentors:

Micky Manyard      Larry Schwartz      Tom May      Bob Ekman

### Meeting Times

Monday 7:00-9:00pm (documentation members, night before deadlines)

Wednesday 7:00-9:00pm (all members, whoever can)

Saturdays 9:00am-12noon (all members, whoever can)

Spring Break (Monday (6:00 pm till 9:00 pm), Wednesday (6:00 pm till 9:00 pm), & Friday (2:00 pm till 9:00 pm))

### Tasks

### Assigned to:

#### Week 1 (02/23/2009-02/28/2009)

##### Monday

Review Workshop Materials with the entire Team & the Game this year  
 Discuss Game Strategy  
 Explain the CBC Controller  
 Introduce KISS-C



Arvind/Eliot  
 Arvind/Eliot  
 Arvind  
 Eliot

Complete

##### Wednesday

Plan Robot Design (initial, and rejected design concepts)  
 Organize members jobs  
 Begin Constuction of Robot

Rehan/ Manju  
 Arvind/Eliot  
 All Members

Complete

##### Saturday

Continue Discussion of any other Design Concepts for Robotic Arm  
 Continue Robotic Consturion  
 Finalize any questions remaining about the game, or other concepts.

All Members  
 Rehan/Eliot  
 All Members

Complete

#### Week 2 (03/02/2009-03/07/2009)

##### Wednesday

Start building the create and the claw attached to the create.  
 Start building CBC Robot  
 Begin initial programmimg for both the create and the CBC Robot

Eliot/Rehan/Samir  
 Arivnd/Manju  
 Katerine

Complete

##### Saturday

Continue building of CBC Robot and Create  
 Continue programming



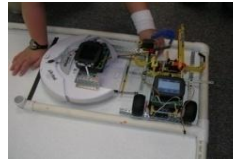
Rehan/Eliot  
 Katerine

Complete

**Week 3 (03/08/2009-03/14/2009)****Wednesday**

Finalize initial programs for CBC Robot and Create  
 Run CBC Robot on the gameboard.  
 Finish building and attach claw to Create  
 Finish building the claw for the CBC Robot to the CBC

Katerine/Arvind  
 Arvind  
 Eliot/Arvind/Rehan  
 Eliot/Arvind/Rehan

**Complete****Saturday**

Put both Robots in starting box  
 Ran tests to get over the starting box pipe  
 Build Structure for CBC Robot to cross over PVC Pipe

Arvind/Manju  
 Arvind/Rehan  
 Manju

**Complete****Week 4 (03/15/2009-03/21/2009)****Monday**

Upload final period 1 documentation

Manju/ Arvind

**Complete****Wednesday**

Continue building of CBC Robot and Create  
 Continue programming  
 Discuss new strategy of jumping the PVC Pipe  
 Review camera code with an expert



Rehan/Adam  
 Eliot/Arvind  
 Arvind/Manju  
 Arvind

**Complete****Saturday**

Continue building of CBC Robot and Create  
 Continue programming  
 Redesign CBC-Robot Claw  
 Got CBC Create to score 120 pts :)

Arvind/Eliot/Zach  
 Arvind/Eliot  
 Arvind  
 Eliot

**Complete****Week 5 (03/22/2009-03/28/2009)****Wednesday**

Make changes to robots  
 Review Programming for CBC-Create  
 Run CBC-Create on gameboard with current programs  
 Scored 132 pts for CBC-Create :D



Eliot/Zach  
 Eliot  
 Eliot/Zach/Manju

**Complete****Saturday**

Modify physical components of CBC Robot  
 Continue programming CBC Robot and CBC-Create  
 Run CBC-Create & CBC-Robot with current programs on gameboard  
 Redesign CBC-Create Claw to pick up Wind Turbines  
 Redesign CBC-Robot Claw to prevent cuplers from falling over when hit

Arvind  
 Arvind/Eliot  
 Manju/Eliot/Arvind  
 Zach/Eliot/Aditi  
 Arvind/Manju

**Complete**

**Week 6 (03/29/2009-04/04/2009)****Monday**

Upload final period 2 documentation

Manju/Arvind/Eliot

**Complete****Wednesday**

Make changes to robots  
 Review code with experts  
 Modify code to pre-perfection



Rehan/Manju/Zach  
 Arvind/Eliot/Katerine  
 Arvind/Eliot

**Complete****Saturday**

Make any changes to CBC Robot and Create  
 Continue programming and modifying code for CBC-Create and CBC-Robot  
 Decision to change CBC-Robot game strategy  
 Redesign CBC-Create base claw  
 Redesign CBC-Robot Claw to fit inside starting box along w/ Create Robot

Manju/Rehan  
 Arvind/Eliot  
 Arvind  
 Zach  
 Manju/Arvind/Eliot

**Week 7 (04/05/2009-04/11/2009)****Monday**

Continue programming both robots to perfection  
 Add any modifications to the robots  
 Consistently getting 150 pts, has a max pts of 192. with the CBC-Create  
 Failure of running both CBC-Create and CBC-Robot together  
 Scored 189 with both robots running at the same time  
 Talk with an expert about the CBC-Robot Claw in the front,  
 Modify CBC-Robot front claw after expert's recommendations  
 Scored 258 pts with both robots



Eliot/Arvind  
 Manju/Zach  
 Eliot/Arvind  
 Arvind/Eliot  
 Arvind/Eliot  
 Arvind/Eliot  
 Manju/Arvind  
 Eliot/Arvind

**Complete****Wednesday**

Take pictures for documentation  
 Testing and record testing  
 Begin Finalizing the code for both the create and the CBC Robot  
 Continue working on Camera Code for CBC-Robot  
 Played against Team 192, Did not work out well

Manju  
 Eliot/Manju/Arvind  
 Arvind/Eliot/Katerine  
 Arvind/Eliot/Katerine  
 Arvind/Rehan

**Complete****Friday**

Take advantage of Spring Break and continue working on Robots...  
 Stop building, put away legos  
 Continue Programming for both Robots  
 Continue taking pictures for documentation  
 Continue working on Documentation  
 Work on Light Sensor Shielding, for both robots, and include it in Code

All Members  
 Zach/Adam  
 Arvind/Eliot/Katerine  
 Manju  
 Manju  
 Zach/Adam

**Complete****Saturday**

Finalize period 3 documentation  
 Continue testing, tweaking codes for both robots  
 Update Project Plan  
 STOP building, and put pieces away  
 Begin Working on onsite presentation



Manju  
 Arvind/Eliot  
 Manju  
 Zach/Rehan  
 Manju

**Complete**

**Week 8 (04/12/2009-04/18/2009)**

**Monday**

Work on presentation and final report  
Finalize Online Documentation and submit to Team Homebase

Manju  
Manju/Eliot

**We are here!**

Not Assigned

**Wednesday**

Lots of testing and more testing  
Continue working on Presentation and practice it  
Create presentation board  
Play against other teams

All members  
Manju/Zach  
Manju/Zach  
All members

**Friday**

Testing and more testing  
Fix any Code issues  
Practice Presentation

All Members  
Arvind/Eliot/Katerine  
Manju/Zach

**Saturday**

Tournament - get up early

ALL MEMBERS

**GO AND WIN THE ENTIRE COMPETITION!!!!!!!!!!!!!!**

ENTIRE TEAM

**INCOMPLETE!!**