Strategy

Sam Powers

Pace Yourself!

- Explore the Field
  - Wall follow
  - Random walk
  - Map (dangerous)
- Find Balls
  - Vision
  - Luck
- Approach Balls
  - Vision
  - Gyro/QP encoders
  - Luck
- Collect Balls
  - Roller
  - Claw
  - Passive opening
- Find Goals/Wall
  - Vision
- Approach Goals/Wall
  - Vision
  - Gyro/QP encoders
- Score!

Basic Design Calendar

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2	3	4 Design/Prototype/Test	5	6	7	8
		Driving/Vision Code				
9	10	11 Build	12	13	14	15
		Vision/Scoring Code				
16	17	18 Debug and Calibrate	19	20	21	22
23	24	25 Fail Week!	26	27	28 Final Competition	29

Detailed Schedule
(Based on Team 12AW12 in 2007)

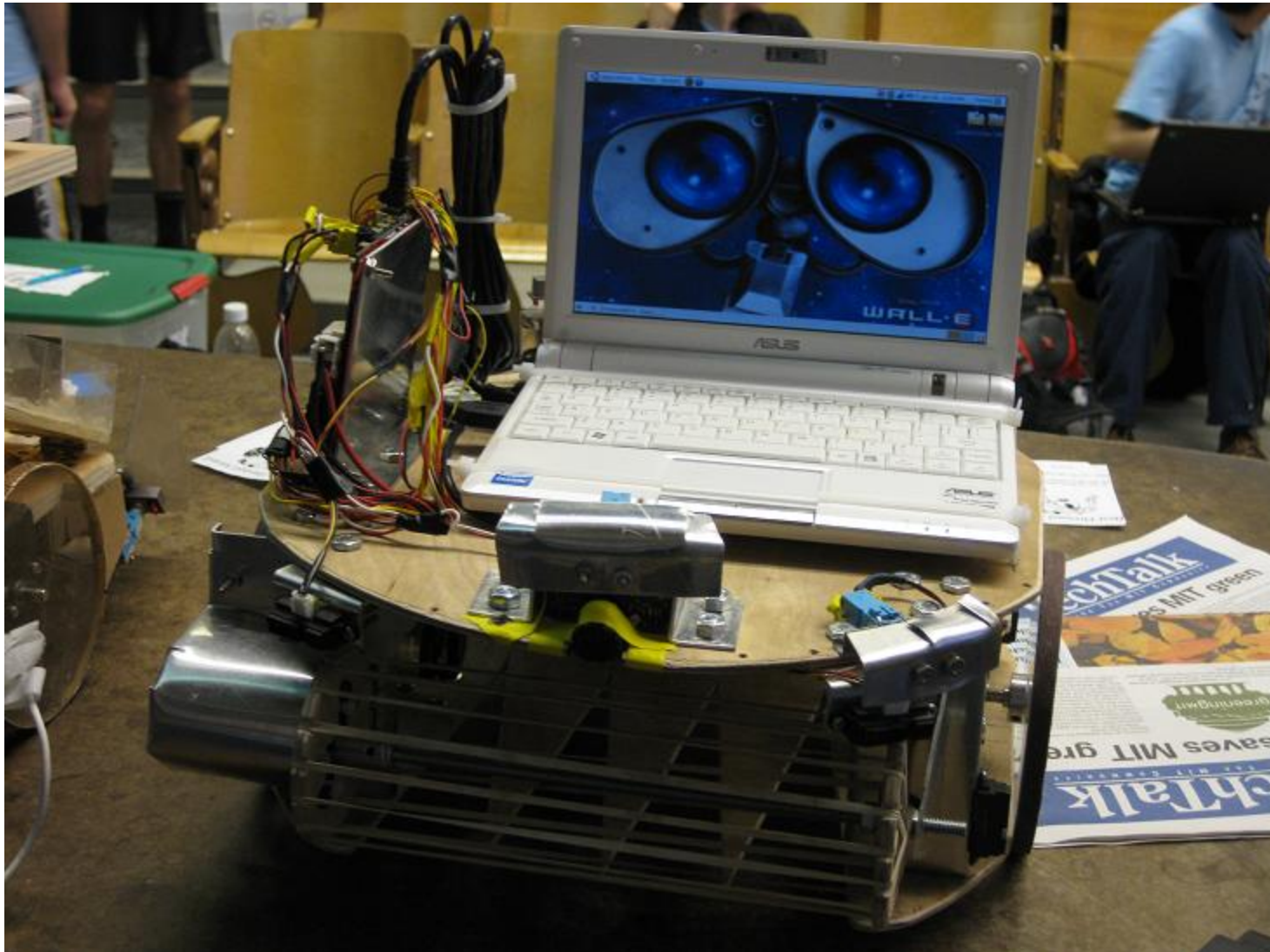| Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
7	8	9	10	11	12	13
	CAD Modeling Design				SW Architecture	Driving Roomba
← Strategy Decisions			Machining Chassis at Edgerton			Complete Chassis "Roomba"
Design / Feasibility Tests / Prototype						
14	15	16	17	18	19	20
Driving Roomba		Scoring Code		Sensor Suite Programming		
		Machining Ball Collection Mechanism			Complete Basic Sensors	
Build						
21	22	23	24	25	26	27
Computer Crash!		Locktite Con...	**Orcboard on Fire!**	Mock #2		
	Sensor Suite, Debugging Lights and Sou...			MechE & Sensor Feature Freeze		
Debug						
28	29	30	31	1	2	3
		Reboot Error!		Impounding	Final Competition	Cleanup Day
Wire Management						
Fail Week!						

Scheduling Summary

- Allow for as much parallelizing as possible
  - Build by day (when the machine shops are open)
  - Code by night
- Leave time for failure!
- If something is taking too long, do it differently or just move on
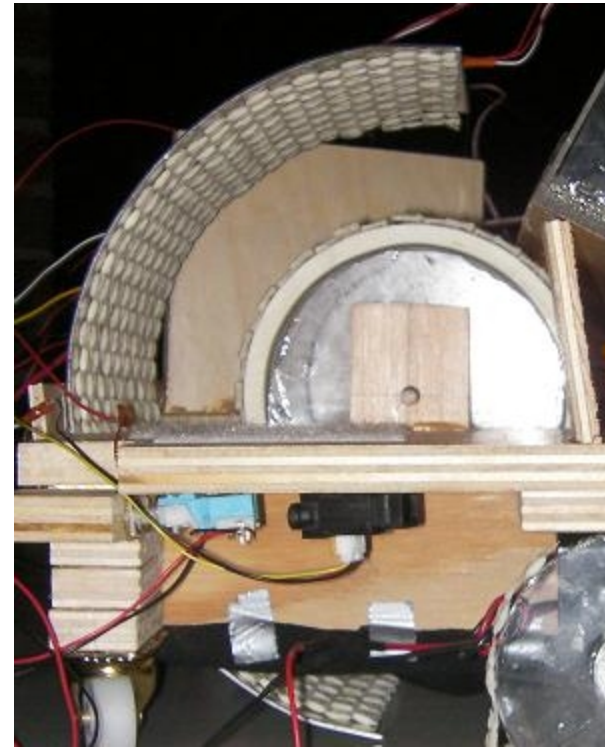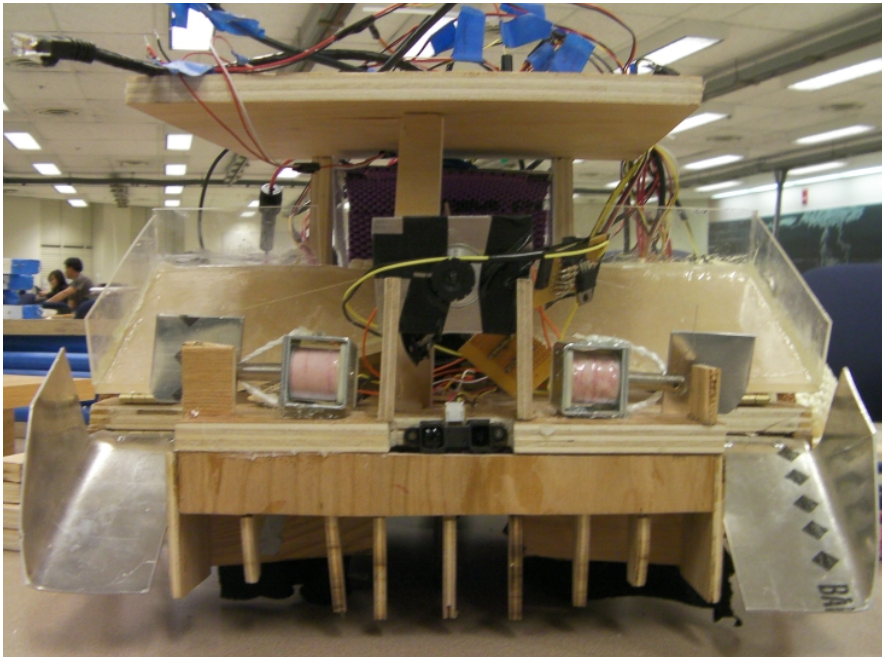
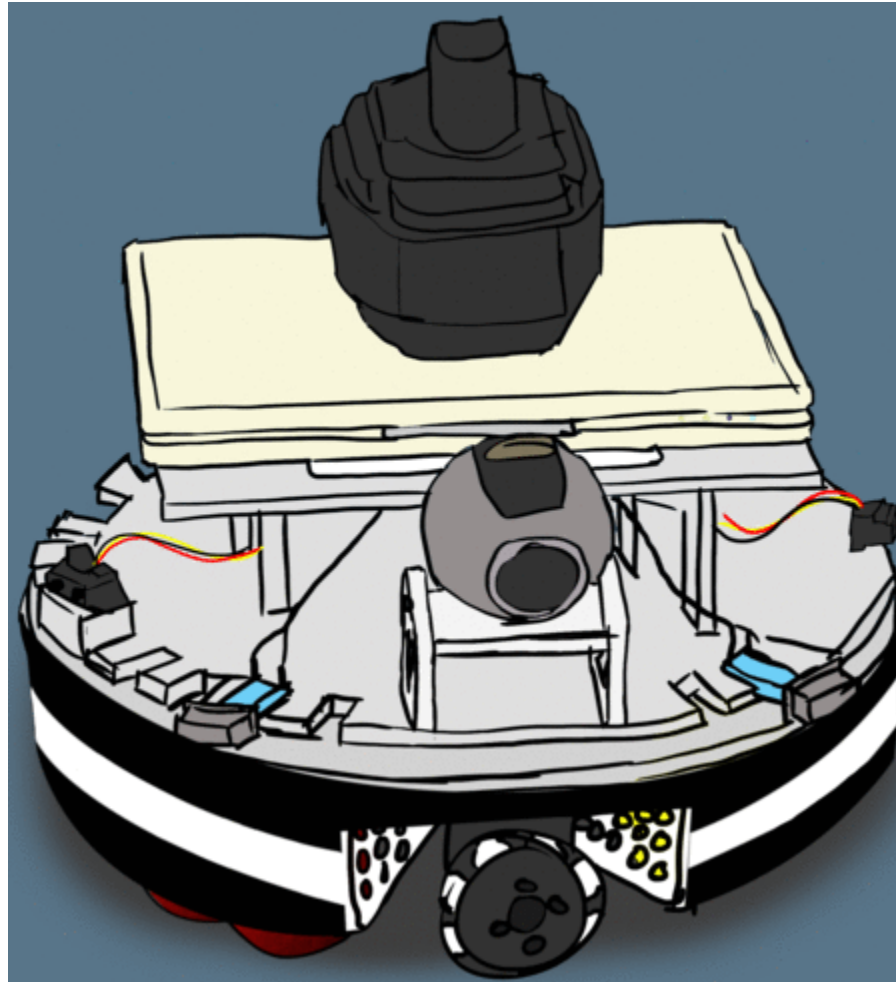If you try to do too much, you might end up with nothing at all.

Mechanical

2009: Team Five

2009: Echo Pie Fist

2010: Team MESS

2010: Team Two