

	2011-7				2011-8				2011-9				2011-10				2011-11				2011-12				
	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51
<b>Colony</b>																									
Battery Level Indicator																									
Improve library error codes																									
Better sanity check for invalid BOM type																									
XBee/Wireless Initialization																									
get all the library inti's and functions (...)																									
Xbee Documentation																									
xbee baud rates																									
Wireless - core send, ack functions																									
Wireless - xbee.c																									
xbee id																									
investigate new AVR simulator?																									
Conclusion on filter design	Assigned 0%																								
Figure out rangefinders group	Assigned 0%																								
Complete SURG form	Assigned 0%																								
Check/Order robot battery clips	Assigned 50%																								
Line Follower Collimator																									
Redo robot pants																									
Get Colony videos onto VideoTron. Embed in (...)																									
Clean up repository branches																									
Add Line Following to Library																									
Profile different mapping surfaces																									
Make Hunter-Prey Ref More Verbose																									
Clean up Colony-New and prepare for next (...)																									
Implement Intersection Behavior																									
wl_basic_do_default(int *length) doesn't (...)																									
Schedule Fleet Maintenance Day																									
Discuss and Contact about Extra Colony III (...)																									

Colony

**Colony - Hardware**

Design Dragonfly Replacement Board

Investigate how to use the JTAG ICE

**Colony - Library**

Make sure all robots program the correct (...)

**Colony - Reliability**

Automatically update robot status page (...)

**Colony Scout**

Colony Environment

Software Architecture

Reflow Oven Temperature Regulation

Update Boards on Eagle

Research PCB Assembly Costing

Website Work Log

Video for Scout Intro

Create ROS Node: Buttons

Create ROS Node: Timer

Create ROS Node: IMU

Create ROS Node: Accessory

Create ROS Node: Encoders

Create ROS Node: Wireless

Create ROS Node: USB Serial

Create ROS Node: Cliffsensors

Create ROS Node: BOM

Create ROS Node: Analog

BOM Interference Testing

BOM Driver Code

Sonar Wiring

Sonar Position Tracking

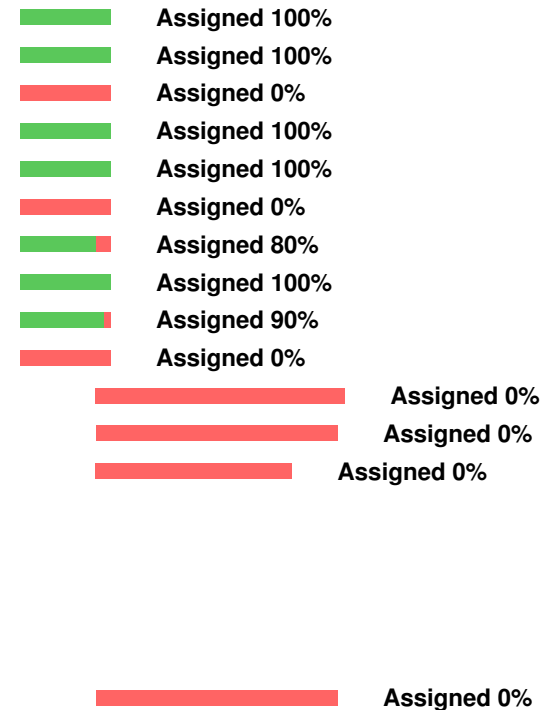
Send Sonar Readings to ARM

Automate Stepping and Sonar Reading















Sonar on ARM

Make ARM command Sonar on AVR

Read IMU values and send to ARM




Colony

Pose Estimation		Assigned 0%
Motor & Encoder Wiring		
Control Motors (ARM)		Assigned 10%
Track Encoders		
Charging Base		
Print and Test Scoutfly		
Create Scout Chassis		
Make wiring kits for Scout		
IMU on ARM		Assigned 0%
ROSSERIAL on ARM		Assigned 0%
CliffSensor on ARM		Assigned 0%
Create Transmitting Protocol		Assigned 0%
Wireless on ARM		Assigned 10%
Cliff Detection		Assigned 0%
Buttons on ARM		Assigned 0%
USB Serial on ARM		Assigned 0%
Control Headlights		
Power Up Rest of Scoutfly		
Get Old Boards and Funding Info		
Test AVR on ARM		Assigned 0%
Get Sonar Stepping and Reading		Assigned 0%
"Automated" Turning		Assigned 0%
Add Fuel Guage and Protection circuit (...)		
BOM returns values even when IR LED (...)		
File Error Service call		
Colony Scout - 1.0		
BOM Send/Receive Functions		
Assembly Instructions		
Fix Encoder pinout on breakfly		
Colony Scout - 1.2		
NanoRK Wireless Library		
Look @ Robostix AVR<->ARM Comms (...)		
Electronics Purchasing, OCT-08		Assigned 0%
Colony Scout - Development		

<p><b>System Wiring</b>          Look into accelerometer speed          Email Red W          Create roboclub demo          Audio Command &amp; Output Accessory          Design SmartFly Smart Accessory (...)          Mechanical Work Log          Check speaker magnet interference (...)</p>	<p><b>Assigned 0%</b></p> <hr/> <p><b>Assigned 50%</b></p> <p><b>Assigned 20%</b></p>
<p><b>HyLo</b>          type proposed proposal          Meeting</p>	<p><b>HyLo</b>  <b>Assigned 0%</b></p>
<p><b>Mechanical Logic Gates</b>          Update - website          You Tube + Display Case          Website - host on roboclub          Look into getting copywrite</p>	<p><b>Mechanical Logic Gates</b>  <b>Assigned 0%</b>  <b>Assigned 0%</b>  <b>Assigned 0%</b>  <b>Assigned 0%</b></p>
<p><b>Wishlist</b>          Sell T-shirts on website          Arbor Press          Horizontal Band Saw          Compressed Air System</p>	
<p><b>Quadrotor</b>          Make Wishlist of Parts          Fix the Quadrotor          Point Cloud Display          Design aluminum frame for Quad1          Make private repository          Email Harrison to Order Parts          USB to micro USB cable</p>	<p><b>Quadrotor</b></p> <hr/> <p><b>Assigned 0%</b></p>
<p><b>RoboBuggy</b>          Write a SURG Grant</p>	<p><b>RoboBuggy</b>  <b>Assigned 40%</b></p>
<p><b>RobOrchestra</b>          Model Solenoids for brassbot in Solidworks          Get Pianobot modelled with the piano</p>	<p><b>Assigned 0%</b>  <b>Assigned 0%</b></p>

RobOr

<p>Parts List (pianobot) (someone work on this? (...))</p> <p>Algorithm for Pianobot?</p> <p>Tooltron</p> <p>Write tutorial about network programming</p> <p>Tooltron - 1.0</p> <ul style="list-style-type: none"> <li>script for network programming</li> <li>notifications of tool boot packets in (...)</li> <li>Put up a warning sign for Tooltron swiping (...)</li> <li>Document the Network Bootloader</li> <li>Document the States of the toolbox/cardbox</li> <li>Server dies when internet is out</li> <li>update server docs</li> </ul> <p>Tooltron - 1.1</p> <ul style="list-style-type: none"> <li>timeouts not working correctly</li> <li>remove server hacks</li> <li>organize repo</li> <li>Document new Error codes on Cardbox</li> <li>order more boards and replace drill-press (...)</li> </ul> <p>Tooltron - 2.0</p> <ul style="list-style-type: none"> <li>Keypad row 3 (7,8,9,C) does not work</li> <li>MySQL Stored Procedures</li> <li>Tooltron status indicator</li> </ul> <p>Underwater Swarm Bots</p> <ul style="list-style-type: none"> <li>FTDI cable</li> </ul> <p>WCTU</p> <ul style="list-style-type: none"> <li>WCTU - WCTU Version 1.0</li> <li>Create v1.0 JS Client Revision 1</li> </ul>	<div style="text-align: right;">  </div> <p>Assigned 0%</p> <p>WCTU</p> <p>WCTU -WCTU Version 1.0 50%</p> <p>Assigned 0%</p>
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Underw