

	2012-2				2012-3					2012-4					2012-5					2012-6					2012-7				
	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
<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 - 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 Scout

**Assigned 100%**

**Assigned 100%**

**Assigned 0%**

**Assigned 100%**

**Assigned 100%**

**Assigned 0%**

**Assigned 80%**

**Assigned 100%**

**Assigned 90%**

**Assigned 0%**

**Assigned 0%**

**Assigned 0%**

**Assigned 0%**

**Assigned 0%**

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></p> <ul style="list-style-type: none"> <li>Look into accelerometer speed</li> <li>Email Red W</li> <li>Create roboclub demo</li> <li>Audio Command &amp; Output Accessory</li> <li>Design SmartFly Smart Accessory (...)</li> <li>Mechanical Work Log</li> <li>Check speaker magnet interference (...)</li> </ul>	<p><b>Assigned 0%</b></p> <p><b>Assigned 50%</b></p>
<p><b>HyLo</b></p> <ul style="list-style-type: none"> <li>type proposed proposal</li> <li>Meeting</li> </ul>	<p><b>HyLo</b></p> <p><b>Assigned 0%</b></p>
<p><b>Mechanical Logic Gates</b></p> <ul style="list-style-type: none"> <li>Update - website</li> <li>You Tube + Display Case</li> <li>Website - host on roboclub</li> <li>Look into getting copywrite</li> </ul>	<p><b>Mechanical Logic Gates</b></p> <p><b>Assigned 0%</b></p> <p><b>Assigned 0%</b></p> <p><b>Assigned 0%</b></p> <p><b>Assigned 0%</b></p>
<p><b>Wishlist</b></p> <ul style="list-style-type: none"> <li>Sell T-shirts on website</li> <li>Arbor Press</li> <li>Horizontal Band Saw</li> <li>Compressed Air System</li> </ul>	
<p><b>Quadrotor</b></p> <ul style="list-style-type: none"> <li>Make Wishlist of Parts</li> <li>Fix the Quadrotor</li> <li>Point Cloud Display</li> <li>Design aluminum frame for Quad1</li> <li>Make private repository</li> <li>Email Harrison to Order Parts</li> <li>USB to micro USB cable</li> </ul>	<p><b>Quadrotor</b></p> <p><b>Assigned 0%</b></p>
<p><b>RoboBuggy</b></p> <ul style="list-style-type: none"> <li>Write a SURG Grant</li> </ul>	<p><b>RoboBuggy</b></p> <p><b>Assigned 40%</b></p>
<p><b>RobOrchestra</b></p> <ul style="list-style-type: none"> <li>Model Solenoids for brassbot in Solidworks</li> <li>Get Pianobot modelled with the piano</li> </ul>	<p><b>Assigned 0%</b></p> <p><b>Assigned 0%</b></p>

RobOr

Parts List (pianobot) (someone work on this? (...)

Algorithm for Pianobot?

**Tooltron**

Write tutorial about network programming

**Tooltron - 1.0**

script for network programming

notifications of tool boot packets in (...)

Put up a warning sign for Tooltron swiping (...)

Document the Network Bootloader

Document the States of the toolbox/cardbox

Server dies when internet is out

update server docs

**Tooltron - 1.1**

timeouts not working correctly

remove server hacks

organize repo

Document new Error codes on Cardbox

order more boards and replace drill-press (...)

**Tooltron - 2.0**

Keypad row 3 (7,8,9,C) does not work

MySQL Stored Procedures

Tooltron status indicator

**Underwater Swarm Bots**

FTDI cable

**WCTU**

WCTU - WCTU Version 1.0

Create v1.0 JS Client Revision 1

WCTU

WCTU -WCTU Version 1.0 50%

Assigned 0%

Underwater Swarm Bots

Assigned 0%