

	2012-4				2012-5				2012-6				2012-7				2012-8				2012-9							
	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39		
<b>Colony</b>	<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 (...)																												

<p><b>Colony - Hardware</b>  Design Dragonfly Replacement Board  Investigate how to use the JTAG ICE</p> <p><b>Colony - Library</b>  Make sure all robots program the correct (...)</p> <p><b>Colony - Reliability</b>  Automatically update robot status page (...)</p> <p><b>Colony Scout</b>  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</p>	<p><b>Colony Scout</b></p> <p><b>Assigned 100%</b>  <b>Assigned 100%</b>  <b>Assigned 0%</b>  <b>Assigned 100%</b>  <b>Assigned 100%</b>  <b>Assigned 0%</b>  <b>Assigned 80%</b>  <b>Assigned 100%</b>  <b>Assigned 90%</b>  <b>Assigned 0%</b>  <b>Assigned 0%</b>  <b>Assigned 0%</b>  <b>Assigned 0%</b></p> <p><b>Assigned 0%</b></p>
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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

■ Underwater Swarm Bots  
■ Assigned 0%  
WCTU  
WCTU -WCTU Version 1.0 50%  
Assigned 0%