

	2013-1				2013-2				2013-3				2013-4				2013-5				2013-6				
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
<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 (...)																									

**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%

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>  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>  <b>Assigned 50%</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>  Assigned 0%  Assigned 0%  Assigned 0%  Assigned 0%</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>  Assigned 0%</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>	<p>Underwater Swarm Bots</p> <p>Assigned 0%</p> <p>WCTU</p> <p>WCTU -WCTU Version 1.0 50%</p> <p>Assigned 0%</p>
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