

	2017-12				2018-1					2018-2				2018-3				2018-4				2018-5			
	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
<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 (...)																									

<b>Colony - Hardware</b>	
<b>Design Dragonfly Replacement Board</b>	
<b>Investigate how to use the JTAG ICE</b>	
<b>Colony - Library</b>	
<b>Make sure all robots program the correct (...)</b>	
<b>Colony - Reliability</b>	
<b>Automatically update robot status page (...)</b>	
<b>Colony Scout</b>	<b>Colony Scout</b>
<b>Colony Environment</b>	
<b>Software Architecture</b>	
<b>Reflow Oven Temperature Regulation</b>	
<b>Update Boards on Eagle</b>	
<b>Research PCB Assembly Costing</b>	
<b>Website Work Log</b>	
<b>Video for Scout Intro</b>	
<b>Create ROS Node: Buttons</b>	<b>Assigned 100%</b>
<b>Create ROS Node: Timer</b>	<b>Assigned 100%</b>
<b>Create ROS Node: IMU</b>	<b>Assigned 0%</b>
<b>Create ROS Node: Accessory</b>	<b>Assigned 100%</b>
<b>Create ROS Node: Encoders</b>	<b>Assigned 100%</b>
<b>Create ROS Node: Wireless</b>	<b>Assigned 0%</b>
<b>Create ROS Node: USB Serial</b>	<b>Assigned 80%</b>
<b>Create ROS Node: Cliffsensors</b>	<b>Assigned 100%</b>
<b>Create ROS Node: BOM</b>	<b>Assigned 90%</b>
<b>Create ROS Node: Analog</b>	<b>Assigned 0%</b>
<b>BOM Interference Testing</b>	<b>Assigned 0%</b>
<b>BOM Driver Code</b>	<b>Assigned 0%</b>
<b>Sonar Wiring</b>	<b>Assigned 0%</b>
<b>Sonar Position Tracking</b>	
<b>Send Sonar Readings to ARM</b>	
<b>Automate Stepping and Sonar Reading</b>	
<b>Sonar on ARM</b>	
<b>Make ARM command Sonar on AVR</b>	
<b>Read IMU values and send to ARM</b>	<b>Assigned 0%</b>

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>RobOrchestra</b></p> <p><b>Assigned 0%</b></p> <p><b>Assigned 0%</b></p>

<p><b>Parts List (pianobot) (someone work on this? (...)</b></p> <p><b>Algorithm for Pianobot?</b></p> <p><b>Tooltron</b></p> <p><b>Write tutorial about network programming</b></p> <p><b>Tooltron - 1.0</b></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><b>Tooltron - 1.1</b></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><b>Tooltron - 2.0</b></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><b>Underwater Swarm Bots</b></p> <ul style="list-style-type: none"> <li>FTDI cable</li> </ul> <p><b>WCTU</b></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><b>Underwater Swarm Bots</b></p> <p><b>Assigned 0%</b></p> <p><b>WCTU</b></p> <p><b>WCTU -WCTU Version 1.0 50%</b></p> <p><b>Assigned 0%</b></p>
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