












	2011-5				2011-6				2011-7				2011-8				2011-9				2011-10				
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42
<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

<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></p>		
<p>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>	<hr/>	<p>Colony</p> <p>Assigned 100%</p> <p>Assigned 100%</p> <p>Assigned 0%</p> <p>Assigned 100%</p> <p>Assigned 100%</p> <p>Assigned 0%</p> <p>Assigned 80%</p> <p>Assigned 100%</p> <p>Assigned 90%</p> <p>Assigned 0%</p> <p>Assigned</p> <p>Assigned</p> <p>Assigned</p> <p>Assigned</p> <p>Assigned</p>

Pose Estimation			Assigned
Motor & Encoder Wiring			
Control Motors (ARM)			Assigned
Track Encoders			
Charging Base			
Print and Test Scoutfly			
Create Scout Chassis			
Make wiring kits for Scout			
IMU on ARM			Assigned
ROSSERIAL on ARM			Assigned
CliffSensor on ARM			Assigned
Create Transmitting Protocol			Assigned
Wireless on ARM			Assigned
Cliff Detection			Assigned
Buttons on ARM			Assigned
USB Serial on ARM			Assigned
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>	<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>

<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>Assigned 0%</p> <p>WCTU</p> <p>WCTU -WCTU Version 1.0 50%</p> <p>Assigned 0%</p>
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