

	2011-11				2011-12				2012-1				2012-2				2012-3				2012-4			
	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Colony	Colony																							
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>System Wiring</p> <ul style="list-style-type: none"> Look into accelerometer speed Email Red W Create roboclub demo Audio Command & Output Accessory Design SmartFly Smart Accessory (...) Mechanical Work Log Check speaker magnet interference (...) 	<p>Assigned 0%</p> <p>Assigned 50%</p>
<p>HyLo</p> <ul style="list-style-type: none"> type proposed proposal Meeting 	<p>HyLo</p> <p>Assigned 0%</p>
<p>Mechanical Logic Gates</p> <ul style="list-style-type: none"> Update - website You Tube + Display Case Website - host on roboclub Look into getting copywrite 	<p>Mechanical Logic Gates</p> <p>Assigned 0%</p> <p>Assigned 0%</p> <p>Assigned 0%</p> <p>Assigned 0%</p>
<p>Wishlist</p> <ul style="list-style-type: none"> Sell T-shirts on website Arbor Press Horizontal Band Saw Compressed Air System 	
<p>Quadrotor</p> <ul style="list-style-type: none"> 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>Quadrotor</p> <p>Assigned 0%</p>
<p>RoboBuggy</p> <ul style="list-style-type: none"> Write a SURG Grant 	<p>RoboBuggy</p> <p>Assigned 40%</p>
<p>RobOrchestra</p> <ul style="list-style-type: none"> Model Solenoids for brassbot in Solidworks Get Pianobot modelled with the piano 	<p>Assigned 0%</p> <p>Assigned 0%</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"> 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 <p>Tooltron - 1.1</p> <ul style="list-style-type: none"> timeouts not working correctly remove server hacks organize repo Document new Error codes on Cardbox order more boards and replace drill-press (...) <p>Tooltron - 2.0</p> <ul style="list-style-type: none"> Keypad row 3 (7,8,9,C) does not work MySQL Stored Procedures Tooltron status indicator <p>Underwater Swarm Bots</p> <ul style="list-style-type: none"> FTDI cable <p>WCTU</p> <ul style="list-style-type: none"> WCTU - WCTU Version 1.0 Create v1.0 JS Client Revision 1 	<div style="border-bottom: 1px solid gray; height: 10px; width: 100%;"></div> <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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