

	2011-10				2011-11				2011-12				2012-1				2012-2				2012-3				
	40	41	42	43	44	45	46	47	48	49	50	51	52	1	2	3	4	5	6	7	8	9	10	11	12
<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

**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: Cliff sensors

Create ROS Node: BOM

Create ROS Node: Analog

BOM Interference Testing

BOM Driver Code

Sonar Wiring

Sonar Position Tracking

Send Sonar Readings to ARM

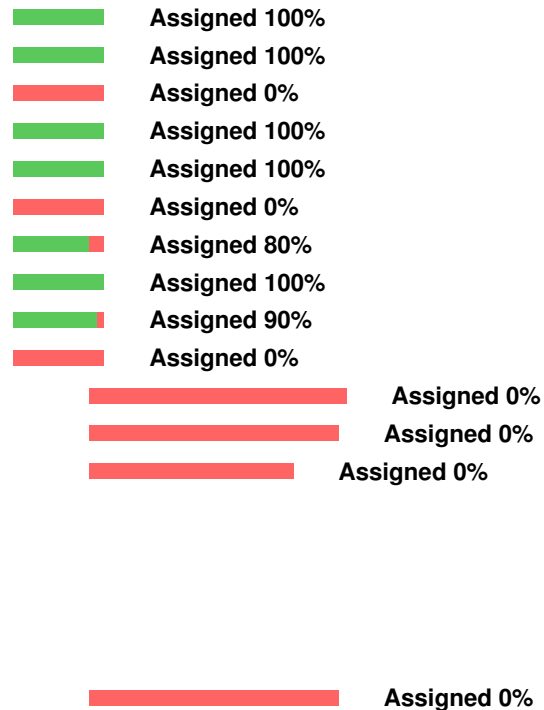
Automate Stepping and Sonar Reading















Sonar on ARM





Make ARM command Sonar on AVR

Read IMU values and send to ARM

■ Colony Scout



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></p> <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>	<p> <b>Quadrotor</b></p> <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>

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

#### WCTU

WCTU -WCTU Version 1.0 50%

Assigned 0%



Underw

Assign