		2019-7				2019-8					2019-9				2019-10					2019-11				2019-12			
	27		29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	
Colony		Colo	ny	•	•	•	•	•		•	•	•	•	•					•			•	•	•			
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		Assi	_																								
Figure out rangefinders group		Assi	_																								
Complete SURG form		Assi	_																								
Check/Order robot battery clips		Assi	gned	d 50%	ò																						
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 Maintenence Day																											
Discuss and Contact about Extra Colony III ()																											

05/06/2024 1/5

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 Scout
Colony Environment	
Software Architecture	
Reflow Oven Temperature Regulation	
Update Boards on Eagle	
Research PCB Assemby Costing	
Website Work Log	
Video for Scout Intro	
Create ROS Node: Buttons	Assigned 100%
Create ROS Node: Timer	Assigned 100%
Create ROS Node: IMU	Assigned 0%
Create ROS Node: Accessory	Assigned 100%
Create ROS Node: Encoders	Assigned 100%
Create ROS Node: Wireless	Assigned 0%
Create ROS Node: USB Serial	Assigned 80%
Create ROS Node: Cliffsensors	Assigned 100%
Create ROS Node: BOM	Assigned 90%
Create ROS Node: Analog	Assigned 0%
BOM Interference Testing	Assigned 0%
<b>BOM Driver Code</b>	Assigned 0%
Sonar Wiring	Assigned 0%
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	Assigned 0%

05/06/2024 2/5

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 Protocal	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	
Loook @ Robostix AVR<>ARM Comms ()	
Electronics Purchasing, OCT-08	Assigned 0%
Colony Scout - Development	

05/06/2024 3/5

**System Wiring** Look into accelerometer speed Assigned 0% **Email Red W** Assigned 50% Create roboclub demo **Audio Command & Output Accessory** Design SmartFly Smart Acessory (...) Assigned 20% **Mechanical Work Log** Check speaker magnet interference (...) HyLo HyLo Assigned 0% type proposed proposal Meeting **Mechanical Logic Gates Mechanical Logic Gates** Assigned 0% Update - website Assigned 0% You Tube + Display Case Assigned 0% Website - host on roboclub Assigned 0% Look into getting copywrite **Wishlist** Sell T-shirts on website **Arbor Press Horizontal Band Saw Compressed Air System** Quadrotor Quadrotor Make Wishlist of Parts **Fix the Quadrotor Point Cloud Display** Assigned 0% Design aluminum frame for Quad1 Make private repository **Email Harrison to Order Parts USB** to micro **USB** cable RoboBuggy RoboBuggy Assigned 40% Write a SURG Grant RobOrchestra RobOrchestra Assigned 0% Model Solenoids for brassbot in Solidworks Assigned 0% Get Pianobot modelled with the piano

05/06/2024 4/5

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

Underwater Swarm Bots
Assigned 0%
WCTU
WCTU -WCTU Version 1.0 50%
Assigned 0%

05/06/2024 5/5