

| | 2020-7 | | | | 2020-8 | | | | 2020-9 | | | | 2020-10 | | | | 2020-11 | | | | 2020-12 | | | |
|--|---------------|----|----|----|--------|----|----|----|--------|----|----|----|---------|----|----|----|---------|----|----|----|---------|----|----|----|
| | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 | 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 | 50 | 51 |
| 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 (...) | | | | | | | | | | | | | | | | | | | | | | | | |

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| <p>Colony - Hardware Design Dragonfly Replacement Board Investigate how to use the JTAG ICE</p> <p>Colony - Library Make sure all robots program the correct (...)</p> <p>Colony - Reliability Automatically update robot status page (...)</p> <p>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</p> | <p>Colony Scout</p> <p>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%</p> <p>Assigned 0%</p> |
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| 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 | |

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

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| <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 | <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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