|   | 2022-10  |      |       | 20  | )22-1 | 1  |    | 2022-12 |    |    |    |    | 2023-1 |     |   |   |   | 2023-2 |   |   |   |   | 2023-3 |   |    |    |    |
|---|----------|------|-------|-----|-------|----|----|---------|----|----|----|----|--------|-----|---|---|---|--------|---|---|---|---|--------|---|----|----|----|
|   | 40       |      |       | 43  | 44    | 45 | 46 | 47      | 48 | 49 | 50 | 51 | 52     | 2 1 | : | 2 | 3 | 4      | 5 | 6 | 7 | 8 | 3 9    | ) | 10 | 11 | 12 |
| Colony  |          | olon | ıÿ    |     | -     | -  | •  | •       |    |    |    |    | •      |     | - | - |   |        |   | • |   |   |        | - |    | -  |    |
| 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                   |          | _    | ned ( |     |       |    |    |         |    |    |    |    |        |     |   |   |   |        |   |   |   |   |        |   |    |    |    |
| Figure out rangefinders group                 |          | _    | ned ( |     |       |    |    |         |    |    |    |    |        |     |   |   |   |        |   |   |   |   |        |   |    |    |    |
| Complete SURG form                            |          | _    | ned ( |     |       |    |    |         |    |    |    |    |        |     |   |   |   |        |   |   |   |   |        |   |    |    |    |
| Check/Order robot battery clips               | <i>P</i> | ssig | ned 5 | 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 Maintenence Day                |          |      |       |     |       |    |    |         |    |    |    |    |        |     |   |   |   |        |   |   |   |   |        |   |    |    |    |
| Discuss and Contact about Extra Colony III () |          |      |       |     |       |    |    |         |    |    |    |    |        |     |   |   |   |        |   |   |   |   |        |   |    |    |    |

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| 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%   |

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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 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               |              |

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**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

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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%

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