|   |   | 2017-8 |       |   |      | 20  | )17-9 | -  | 2017-10 |    |    |    |    | 2017-11 |      |     |     |    | 2017-12 |    |    |    |   | 2018-1 |   |   |  |
|---|---|--------|-------|---|------|-----|-------|----|---------|----|----|----|----|---------|------|-----|-----|----|---------|----|----|----|---|--------|---|---|--|
|   |   | 32 3   |       | 3 | 5 36 | 6 3 | 38    | 39 | 40      | 41 | 42 | 43 | 44 | 45      | 5 46 | 6 4 | 7 4 | 48 | 49      | 50 | 51 | 52 | 1 | 2      | 3 | 4 |  |
| 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                   |   | Assign |       |   |      |     |       |    |         |    |    |    |    |         |      |     |     |    |         |    |    |    |   |        |   |   |  |
| Figure out rangefinders group                 |   | Assign |       |   |      |     |       |    |         |    |    |    |    |         |      |     |     |    |         |    |    |    |   |        |   |   |  |
| Complete SURG form                            |   | Assign |       |   |      |     |       |    |         |    |    |    |    |         |      |     |     |    |         |    |    |    |   |        |   |   |  |
| Check/Order robot battery clips               | ' | Assign | ed 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 () |   |        |       |   |      |     |       |    |         |    |    |    |    |         |      |     |     |    |         |    |    |    |   |        |   |   |  |

04/20/2024 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               | A             |
| Read IMU values and send to ARM             | Assigned 0%   |

04/20/2024 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               |              |

04/20/2024 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

04/20/2024 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%

04/20/2024 5/5