

|  | 2017-1        |   |   |   | 2017-2 |   |   |   | 2017-3 |    |    |    | 2017-4 |    |    |    | 2017-5 |    |    |    | 2017-6 |    |    |    |    |
|--|---------------|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|----|
|  | 1             | 2 | 3 | 4 | 5      | 6 | 7 | 8 | 9      | 10 | 11 | 12 | 13     | 14 | 15 | 16 | 17     | 18 | 19 | 20 | 21     | 22 | 23 | 24 | 25 |
| <b>Colony</b>                                    | <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  |               |   |   |   |        |   |   |   |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |    |
| 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 - Hardware                                |               |   |   |   |        |   |   |   |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |    |

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| <p><b>Investigate how to use the JTAG ICE</b></p> <p><b>Colony - Library</b></p> <p><b>Make sure all robots program the correct (...)</b></p> <p><b>Colony Scout</b></p> <p><b>Colony Environment</b></p> <p><b>Software Architecture</b></p> <p><b>Reflow Oven Temperature Regulation</b></p> <p><b>Update Boards on Eagle</b></p> <p><b>Research PCB Assembly Costing</b></p> <p><b>Website Work Log</b></p> <p><b>Video for Scout Intro</b></p> <p><b>Create ROS Node: Buttons</b></p> <p><b>Create ROS Node: Timer</b></p> <p><b>Create ROS Node: IMU</b></p> <p><b>Create ROS Node: Accessory</b></p> <p><b>Create ROS Node: Encoders</b></p> <p><b>Create ROS Node: Wireless</b></p> <p><b>Create ROS Node: USB Serial</b></p> <p><b>Create ROS Node: Cliffsensors</b></p> <p><b>Create ROS Node: BOM</b></p> <p><b>Create ROS Node: Analog</b></p> <p><b>BOM Interference Testing</b></p> <p><b>BOM Driver Code</b></p> <p><b>Sonar Wiring</b></p> <p><b>Sonar Position Tracking</b></p> <p><b>Send Sonar Readings to ARM</b></p> <p><b>Automate Stepping and Sonar Reading</b></p> <p><b>Sonar on ARM</b></p> <p><b>Make ARM command Sonar on AVR</b></p> <p><b>Read IMU values and send to ARM</b></p> <p><b>Pose Estimation</b></p> <p><b>Control Motors (ARM)</b></p> <p><b>Track Encoders</b></p> <p><b>Charging Base</b></p> | <p><b>Colony Scout</b></p><br><p><b>Assigned 100%</b></p> <p><b>Assigned 100%</b></p> <p><b>Assigned 0%</b></p> <p><b>Assigned 100%</b></p> <p><b>Assigned 100%</b></p> <p><b>Assigned 0%</b></p> <p><b>Assigned 80%</b></p> <p><b>Assigned 100%</b></p> <p><b>Assigned 90%</b></p> <p><b>Assigned 0%</b></p> <p><b>Assigned 0%</b></p> <p><b>Assigned 0%</b></p><br><p><b>Assigned 0%</b></p> <p><b>Assigned 0%</b></p> <p><b>Assigned 10%</b></p> |
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| <b>Create Scout Chassis</b>                        | <b>Assigned 0%</b>  |
| <b>IMU on ARM</b>                                  | <b>Assigned 0%</b>  |
| <b>ROSSERIAL on ARM</b>                            | <b>Assigned 0%</b>  |
| <b>CliffSensor on ARM</b>                          | <b>Assigned 0%</b>  |
| <b>Create Transmitting Protocol</b>                | <b>Assigned 0%</b>  |
| <b>Wireless on ARM</b>                             | <b>Assigned 10%</b> |
| <b>Cliff Detection</b>                             | <b>Assigned 0%</b>  |
| <b>Buttons on ARM</b>                              | <b>Assigned 0%</b>  |
| <b>USB Serial on ARM</b>                           | <b>Assigned 0%</b>  |
| <b>Power Up Rest of Scoutfly</b>                   |                     |
| <b>Get Old Boards and Funding Info</b>             |                     |
| <b>Test AVR on ARM</b>                             | <b>Assigned 0%</b>  |
| <b>Get Sonar Stepping and Reading</b>              | <b>Assigned 0%</b>  |
| <b>"Automated" Turning</b>                         | <b>Assigned 0%</b>  |
| <b>Add Fuel Guage and Protection circuit (...)</b> |                     |
| <b>BOM returns values even when IR LED (...)</b>   |                     |
| <b>File Error Service call</b>                     |                     |
| <b>Colony Scout - 1.0</b>                          |                     |
| <b>BOM Send/Receive Functions</b>                  |                     |
| <b>Assembly Instructions</b>                       |                     |
| <b>Fix Encoder pinout on breakfly</b>              |                     |
| <b>Colony Scout - 1.2</b>                          |                     |
| <b>NanoRK Wireless Library</b>                     |                     |
| <b>Look @ Robostix AVR&lt;-&gt;ARM Comms (...)</b> |                     |
| <b>Electronics Purchasing, OCT-08</b>              | <b>Assigned 0%</b>  |
| <b>Colony Scout - Development</b>                  |                     |
| <b>System Wiring</b>                               |                     |
| <b>Look into accelerometer speed</b>               |                     |
| <b>Email Red W</b>                                 | <b>Assigned 0%</b>  |
| <b>Create roboclub demo</b>                        | <b>Assigned 50%</b> |
| <b>Design SmartFly Smart Accessory (...)</b>       |                     |
| <b>Mechanical Work Log</b>                         | <b>Assigned 20%</b> |
| <b>Check speaker magnet interference (...)</b>     |                     |
| <b>HyLo</b>  | <b>HyLo</b>         |

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| <p>type proposed proposal</p> <p>Meeting</p> <p>Mechanical Logic Gates</p> <p>Update - website</p> <p>You Tube + Display Case</p> <p>Website - host on roboclub</p> <p>Wishlist</p> <p>Compressed Air System</p> <p>Quadrotor</p> <p>Fix the Quadrotor</p> <p>Point Cloud Display</p> <p>Design aluminum frame for Quad1</p> <p>Make private repository</p> <p>Email Harrison to Order Parts</p> <p>USB to micro USB cable</p> <p>RobOrchestra</p> <p>Model Solenoids for brassbot in Solidworks</p> <p>Get Pianobot modelled with the piano</p> <p>Tooltron</p> <p>Write tutorial about network programming</p> <p>Tooltron - 1.0</p> <p>script for network programming</p> <p>notifications of tool boot packets in (...)</p> <p>Document the Network Bootloader</p> <p>Document the States of the toolbox/cardbox</p> <p>Server dies when internet is out</p> <p>update server docs</p> <p>Tooltron - 1.1</p> <p>timeouts not working correctly</p> <p>remove server hacks</p> <p>organize repo</p> <p>Document new Error codes on Cardbox</p> <p>order more boards and replace drill-press (...)</p> <p>Tooltron - 2.0</p> | <p>Assigned 0%</p> <p>Mechanical Logic Gates</p> <p>Assigned 0%</p> <p>Assigned 0%</p> <p>Assigned 0%</p> <p>Quadrotor</p> <p>Assigned 0%</p> <p>RobOrchestra</p> <p>Assigned 0%</p> <p>Assigned 0%</p> |
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| <b>MySQL Stored Procedures</b><br><b>Underwater Swarm Bots</b><br><b>FTDI cable</b><br><b>WCTU</b><br><b>WCTU - WCTU Version 1.0</b><br><b>Create v1.0 JS Client Revision 1</b> | <b>Underwater Swarm Bots</b><br><b>Assigned 0%</b><br><b>WCTU</b><br><b>WCTU -WCTU Version 1.0 50%</b><br><b>Assigned 0%</b> |
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