

|  | 2022-5       |    |    |    | 2022-6 |    |    |    | 2022-7 |    |    |    | 2022-8 |    |    |    | 2022-9 |    |    |    | 2022-10 |    |    |    |    |    |
|--|--------------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|--------|----|----|----|---------|----|----|----|----|----|
|  | 18           | 19 | 20 | 21 | 22     | 23 | 24 | 25 | 26     | 27 | 28 | 29 | 30     | 31 | 32 | 33 | 34     | 35 | 36 | 37 | 38      | 39 | 40 | 41 | 42 | 43 |
| 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 (...) |              |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |        |    |    |    |         |    |    |    |    |    |



|   |              |
|---|--------------|
| 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 Gauge 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              |              |
| Colony Scout - Development                  | Assigned 0%  |

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

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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"> <li>script for network programming</li> <li>notifications of tool boot packets in (...)</li> <li>Put up a warning sign for Tooltron swiping (...)</li> <li>Document the Network Bootloader</li> <li>Document the States of the toolbox/cardbox</li> <li>Server dies when internet is out</li> <li>update server docs</li> </ul> <p>Tooltron - 1.1</p> <ul style="list-style-type: none"> <li>timeouts not working correctly</li> <li>remove server hacks</li> <li>organize repo</li> <li>Document new Error codes on Cardbox</li> <li>order more boards and replace drill-press (...)</li> </ul> <p>Tooltron - 2.0</p> <ul style="list-style-type: none"> <li>Keypad row 3 (7,8,9,C) does not work</li> <li>MySQL Stored Procedures</li> <li>Tooltron status indicator</li> </ul> <p>Underwater Swarm Bots</p> <p>FTDI cable</p> <p>WCTU</p> <p>WCTU - WCTU Version 1.0</p> <p>Create v1.0 JS Client Revision 1</p> | <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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