

# Colony

|  | 2019-11       |    |    |    | 2019-12 |    |    |    | 2020-1 |   |   |   |   | 2020-2 |   |   |   | 2020-3 |    |    |    | 2020-4 |    |    |    |
|--|---------------|----|----|----|---------|----|----|----|--------|---|---|---|---|--------|---|---|---|--------|----|----|----|--------|----|----|----|
|  | 45            | 46 | 47 | 48 | 49      | 50 | 51 | 52 | 1      | 2 | 3 | 4 | 5 | 6      | 7 | 8 | 9 | 10     | 11 | 12 | 13 | 14     | 15 | 16 | 17 |
| <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  |               |    |    |    |         |    |    |    |        |   |   |   |   |        |   |   |   |        |    |    |    |        |    |    |    |
| 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 (...) |               |    |    |    |         |    |    |    |        |   |   |   |   |        |   |   |   |        |    |    |    |        |    |    |    |

**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 (...)**