|  |  |
| --- | --- |
| Project Status Report | Overall Status: **Yellow** |

# Project Name: Extraterrestrial Robot Explorer and Environmental Logger

October 21, 2016

|  |  |
| --- | --- |
| Status Code Legend |  |
| * On Track: Project is on schedule | * High Risk: At risk, with a high risk of going off track |
| * At Risk: Milestones missed but date intact | * Off Track: Date will be missed if action not taken |

|  |  |
| --- | --- |
| The project is Yellow the week of 10/10/2016 - 10/14/2016, due to the following: | * Wi-Fi communication (server and client), between the Virtual Machine and the Pi * RS-232 communication from the Pi to the embedded board |
| Issues: | * Cannot connect the Raspberry Pi to Wi-Fi using Raspian OS[Issue No. 2] * Some delays on the RS-232 milestone due to lack of necessary hardware * Encoders have been pushed back due to time restraints * Didn’t get to PID |
| Milestones accomplished the week of 10/10/2016 - 10/14/2016: | * Wi-Fi communication (server and client), between the Virtual Machine and the Pi * RS-232 communication from the Pi to the embedded board * Encoders are working with engineering units (cm/s) * Supervisor is working with the joystick, using threads to read and parse joystick event data |
| Milestones planned this week, but not achieved with variance: | * Communication protocol redefinition and implementation for high data throughput * Finalize RS-232 communication between the Pi and the platform * Start working with camera video feed |
| Milestones planned for next week: | * Communication proto * Finalize code for the selected control method in the Supervisory control program (including threading) * Begin integration of an environmental sensor onto the board * Finalize RS-232 communication between Raspberry Pi and the platform controller * Catch up delayed primary tasks from previous weeks * Communication protocol redefinition and implementation for high data throughput * Finalize RS-232 communication between Pi and platform controller * Finalize Wi-Fi communication between Pi and supervisory program * Start PID control |
| Areas/questions for discussion: | *None* |
| Last week’s issues forwarded to this week: | *Royal Ontario Museum field trip?* |