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| Team Meeting | September 30, 201911:30Lab |

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| Attendees: | Justin Turcotte  Daniel Dreise  Ramtin Alikhani |

# Minutes

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| Agenda item: | Divide work for the week  Review prior week work done | Date: | September 30th, 2019 |

#### Discussion:

We discussed how we would be dividing up this weeks work.

#### Conclusions:

We have black boxed the project and divided it into 3 major platforms. Joystick Input, Linux Interface, Robot Function

| Action items | Person responsible | Deadline |
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| * Linux Interface | Justin Turcotte | October 4th, 2019 |
| * Joystick Input | Ramtin Alikhani | October 4th, 2019 |
| * Robot Function | Daniel Dreise | October 4th, 2019 |

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| Agenda item: | Discuss Commands to be sent to Robot | Date: | October 1st, 2019 |

#### Discussion:

Discussing how the commands should be formatted. 1 large command repeated vs many small targeted commands.

#### Conclusions:

Determined appropriate command format of ‘$COMMAND!’ Where ‘$’ implies the beginning of a command and ‘%’ implies the end of a command.

| Action items | Person responsible | Deadline |
| --- | --- | --- |
| * Implement command parsing on Robot | Daniel Dreise | October 4st, 2019 |
| * Format commands based on Joystick input | Justin Turcotte | October 4st, 2019 |
| * Document communications protocol | Justin Turcotte | October 4st, 2019 |

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| Agenda item: | Discuss Joystick Input to Host | Date: | October 1st, 2019 |

#### Discussion:

Discussing how the joystick input will be processed and interpreted by the host.

#### Conclusions:

Determined general input format for the joystick to ‘TZV’ where ‘T’ represents the type of button pressed (switch (B) or analog (A)), Z represents the button identifier (A for button A, R for right analog and U,D,L or R for d-pad), and V represents the value (1 or 0 for switches and ‘d1s1d2s2’ for analog where d is the direction and s is the percent speed for the motors).

| Action items | Person responsible | Deadline |
| --- | --- | --- |
| * Implement Joystick parsing on Host | Justin Turcotte | October 4st, 2019 |
| * Format Joystick output | Ramtin Alikhani | October 4st, 2019 |
| * Document Joystick protocol | Ramtin Alikhani | October 4st, 2019 |

# Other Information

Enter any special notes here.