

Team Name: sddec21-02

Team Members:

Matthew Dwyer
Prince Tshombe
Cody Tomkins
Spencer Davis
Braedon Giblin

Report Period: Oct. 12-25

Summary of Progress in this Period

- Matthew Dwyer
 - I have been continuing to work on getting the remote port demo up and working. It was suggested by our client to possibly seek additional options into how to get data into SystemC. I have begun taking a look at file IO operations as well. This is so that we may have a working demo for our final presentations despite the high-risk tasks we still have.
- Cody Tomkins
 - I have continued work on the SystemC model that will be implemented into our demo. We also had our PIRM presentation that we got ready for last week. Once Braedon finishes his driver, we should be able to integrate it with the SystemC model and come closer to an end to end model.
- Braedon Giblin
 - I have worked on getting drivers integrated. I completed a basic driver integration into buildroot, however, we have since switched our plan to use an IIO driver. I have been investigating this driver to determine how best to use the driver in our design. I am currently building an IIO driver that will run on the kernel to directly interact with our mocked IMU

Pending Issues

- The remote port is still not fully functional
- No working demo as of late
- IIO Integration still unclear -- Not a lot of examples that I have found specific to buildroot

Plans for Upcoming Reporting Period

- Get a demo working
 - Document knowledge learned thus far for additional deliverables assuming the remote port is abandoned.
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Weekly Hours Worked

Team Member	Hours Worked (Both weeks combined)
Matthew Dwyer	10
Prince Tshombe	6
Cody Tomkins	8
Spencer Davis	6
Braedon Giblin	10