

## Attendance

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- Members present for Instructor Block Diagram Meeting - Monday @ 1:30pm KEC 10087
  - Andrew Victor
  - Ramrio Cabrera
  - Matt Shilling
- Members present for Team Meeting - Wednesday @ 8am KEC
  - Andrew Victor
  - Ramiro Cabrera
  - Matt Shilling

## Unknowns/Risks

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- Need to revise/improve block diagram and interface definitions after receiving feedback on draft

## Hours This Week

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	Total Hours	Hours w/ Team	Hours Helping
Andrew Victor	7.75	1.5	
Ramiro Cabrera	4	1.5	
Matt Shilling	7	0.75	

## **Tasks from This Week**

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Andrew Victor

- Reading report/summary, 1 hour
- Technical demonstration, 3.5 hours
- Preparing documentation for instructor BD meeting, 0.25 hours
- Instructor BD Meeting with Don, 0.5 hours
- Research Report, 1 hour
- Technical demonstration research (using different microcontroller), 0.5 hours
- Team meeting, 1 hour

Matt Shilling

- Block diagram improvements, 2hrs
- Linear actuator testing, 1.5hrs
- Instructor BD meeting with Don, 0.5hrs
- Infrared/RealSense/Radiometry research, 1.5hr
- Reading report, .75hr
- Team meeting, .75hr

Ramiro Cabrera

- Readings, 1 hour
- Technical demonstration research, 2 hours
- Instructor BD Meeting with Don, 0.5 hours
- Research for the final report, .5 hour
- Team meeting, 1 hour

### **Highs:**

- We have come up with a concept to propose to our client when he returns to town to get some traction for our project.

### **Lows:**

- Overall communication with our client has been difficult, but we are trying to maintain a steady wave of communication as much as we can.

### **Useful Links:**

- <https://www.sciencedirect.com/science/article/pii/S0263224116303566>

- <https://agupubs.onlinelibrary.wiley.com/doi/full/10.1002/2016JD026423>  
(MICROPHYSICS???? Nash might like this)
- <https://www.digikey.com/product-detail/en/flir-lepton/500-0771-01/500-0771-01-N/D/7606616>

## **Tasks for Next Week**

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Andrew Victor

- Radiometry research, 1-2 hours
- Technical demonstration, 3-4 hours
- Research paper, 2-3 hours
- Revise block diagram/interfaces, 1-2 hours
- Revise engineering requirements, 1-2 hours

Matt Shilling

- Research Paper, 4hrs
- Technical demonstration, 4hrs

Ramiro Cabrera

- Research paper, 3-4 hours
- Technical demonstration prep, 3-4 hours
- Meet with client and CS team, 3-4 hours