Weekly reports are to be emailed to atbecker@uh.edu by 5:00pm on Tuesdays. The purpose of a weekly report is to: (1) give you text and images for your papers, thesis, and dissertation, (2) document progress, (3) identify if you are stuck or need resources.

Weekly report

1. **My *Goals* from last week**

* Read “Particle Computation: Device Fan-out and Binary Memory” and test the concepts projected in the new tilt table.
* Work on the simulation and improve it to an acceptable level using the control algorithm provided in the paper.

1. **My *Accomplishments* this week**
   1. Project 1: Particle Computation

Designed the components of the tilt table to an extent where translation of the slider seems feasible. Did not complete the design of the table which is necessary for figuring out the logic and proceeding further. Will work on it this week at least read the related papers and have a discussion with you.

* 1. Project 2: Persistent path planning for servicing WSN

Did some progress with the code from last week, combined it with the stochastic code and used homogenous Transform to move objects. Learnt the concept from the meeting we had today. Hope to implement the algorithm from the paper. I have uploaded the code on GITHUB.

1. **My *Goals* for next week**
2. Try to implement the given algorithm to a satisfactory level.
3. Finish making the tilt table and have a discussion about the future works and method of implementation.
   1. Meeting with Dr. Becker on Wednesdays/Thursdays 2:00. If possible, I feel I can have a better discussion after submitting my weekly report, should have thought about it earlier. If it is possible for you I would like you to change the timings.
4. **What I need Dr. Becker to do:**
   1. Feedback and assistance for the simulation as I proceed.
   2. Discuss regarding the particle computation problem.