



## **Week 6: Two motors = Two sensors!**

### **Photo of the week :**



I completed the license plate design and its actual prototype all by myself. I felt so happy! I designed it, chose the material, and by taking some assistance from Tommy and Ethan, I cut it using laser cutters. Then, using acrylic paints, I painted it. It started looking stunning! I felt so good after completing it!

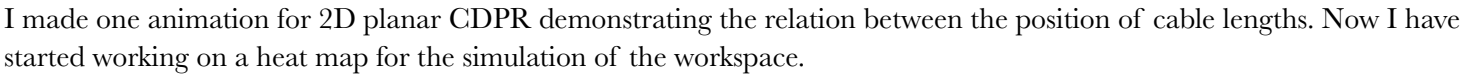
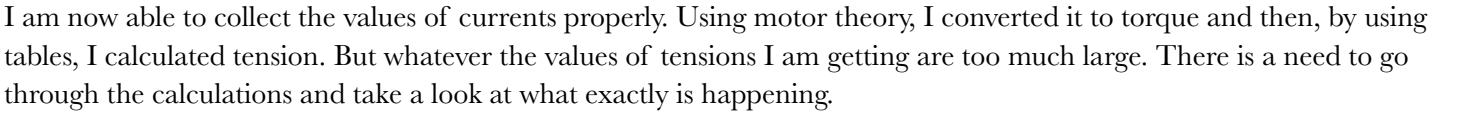


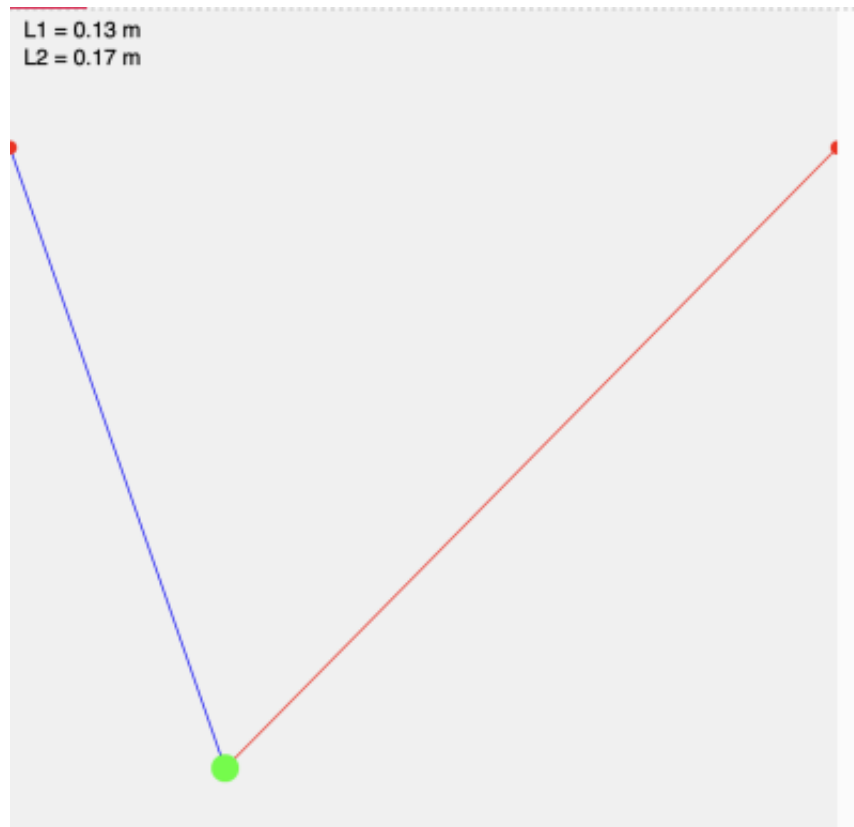
This week was pretty fruitful for me.

## End Effector:



One sensor cannot give out the values of the current pulled by two motors separately. Thus, there was a need for integrating two sensors to the end effector. But integrating and getting them to work wasn't an easy task at all! Following is the circuit diagram which I made after understanding the ports and electric current flow. Patience and persistence always pay off! It worked.





## Projectile Launcher:



I made a pretty big (comparatively big) projectile launcher for projecting anchors. I also got 3D printed two anchors which will hold the string and get stuck so that anchor points can be fixed on the wall.





I am aiming to complete the demo of the project by this Friday.

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## **SWITCH: Hugeness was mind-boggling.**



In the middle of the week, we all visited SWITCH, which is one of the huge data centers in the world.

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