Friday, November 11, 2016

Programming Final Proposal

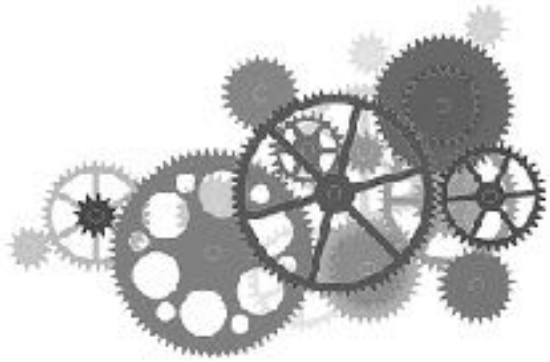
Summary

For the final Project, I'm thinking of making an interactive installation of a gear wall. Where the gear itself is cut from both acrylic and wood showing different finishes and sizes. The idea is for the audience to be able to attach the individual gear onto the whole piece and let it be able to move. And the gear shape could vary along with different color and lighting effect. Following along with the previous midterm project, I'm also thinking of creating optical illusion patterns on the gear itself which is a continuous work of the midterm.

https://www.youtube.com/watch?v=l9BiTUUeHms

https://www.youtube.com/watch?v=NTuFnlnT9N0

https://www.youtube.com/watch?v=Rb37-daSLQ4&list=PLhoXNQqrCmEfAaTf0AfQ1Ztxmz2DoZiCk&index=1

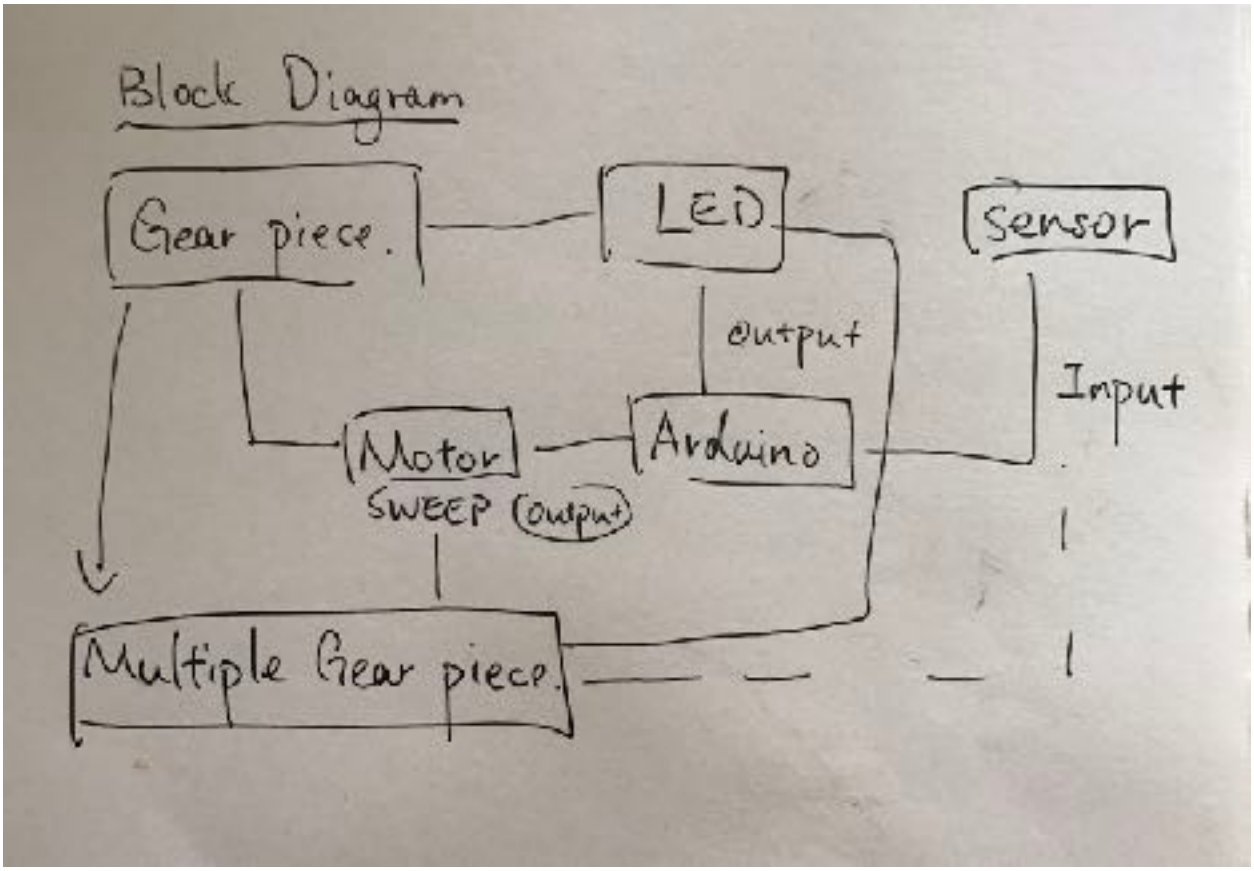


Component Parts

For this installation, I will need to get hardboard and acrylic sheet for the laser cut gears, and also different color of spray paint for the finish. And then motors that could turn

360degrees for moving the motor. And perhaps LED light as well to do a lighting effect for the gear.

- Rotating Motor from school or purchase on my own. (SWEEP)
- LED Light From school or purchase on my own
- Hardboard (From ARCH)
- Acrylic Sheet (From TAP Plastic)
- Spray Paint for Finish (From ARCH)
- Motion Sensor from school or purchase on my own. (This is used for the gears to move when an audience walks by)



Challenges

I think the challenge for this project is to get all the laser cut piece finish cutting on time, and let them stay in place to be able to move each other around. If one piece of the gear fails to move, then the entire installation won't be able to work at all. Also, another challenge would be how could I hide all the motors if I want to mount this gear installation on a wall, how big would be platform be.

Timeline

Week 1: Write proposal, Starting making laser cut files for the gear pieces

Week 2: Finish Modeling the gear wall and cut out pieces to try out first.

Week 3: Finish all Laser Cut pieces and start putting the entire piece together. And Putting motors and LED Lights in position to do a test run, and to see if there is need to do any corrections

Week 4: If everything works to be fine, adding finishes for the gear pieces.

Week 5: Present!