

## Project: Trusted Electronic Systems

Advisor: Dr. Geiger & Dr. Chen

Members: Fatema Aftab (Team Leader), Yitao Liu (Key Concept Holder), Qian Chang (Communications Leader) Chao Huang (Communications Leader), Colton Bachman (Webmaster), Xin Hu (Webmaster)

## Weekly Summary

This week, we continued work with vending machine code. Yitao provide his rough draft, and we can debug it and come up with some personal idea. Also, we are trying to make our Trojan more complicated and figure out how to hide them in vending machine. We basically continued the work we did from spring break, and we trying to make it complex. Besides that, we also start to prepare for final presentation and project plan.

## Pending Issue

1. Debug vending machine.
2. Make Trojan more complex.
3. FPGA measure method.

## Plans for next week

1. Yitao and Fatema trying get final draft for vending machine.
2. Qian and Chao need waiting for their design, find the way to detect it on FPGA.
3. Xin and Colton trying to finish Trojan design.

## Personal Contribution

- Chao Huang (5hrs): Learning FPGA measure method, and traditional detection way on FPGA.

- Qian Chang (4hrs): Figure out how to detect it on virtual version of vending machine.
- Fatema Aftab (5hrs): Writing design document, prepare for presentation and help Yitao finish vending machine design.
- Xin Hu (4hrs): Fix original Trojan and make it more complex.
- Colton Bachman (3hrs): making Trojan more complex by using sequential and combinatorial logic.
- Yitao Liu (5hrs): Debug design and trying to complete whole design.

Name	Weekly hours	Cumulative hours
Chao Huang	5hrs	53hrs
Qian Chang	4hrs	53hrs
Fatema Aftab	5hrs	59.5hrs
Xin Hu	4hrs	53.5hrs
Colton Bachman	3hrs	45.5hrs
Yitao Liu	5hrs	50hrs