CPRE 492 WEEKLY REPORT
MAY15-25
Report 5

Advisor: Lee Harker
Client: Lee Harker / Department of Electrical and Computer Engineering
Project Title: CyLocker Access System

Group Roles

Team Leader ->	Nathan Castek
Team WebMaster ->	Corey Coazzato
Team Communicator ->	Nathan Lafferty
Team Key Concept ->	Priyank Patel
Team Technical Leader ->	Mohammad Syazwan

Report Summary

Lots of accomplishments to getting our official demonstrable prototype ordered

Accomplishments

Lafferty received raspberry pi model
PCB design is “finished”

Meeting Minutes

Date: 2/24/15
Duration: 25 minutes
Attendance:

Nathan Castek
Nathan Lafferty
Priyank Patel
Corey Coazzato

Summary:
Discussed prior weekly accomplishments
Discussed goals of next week

Progress Impediments

Individual Contributions

(Name) (this report, total)

Castek: **3 , 17**

- Testing w/ Corey on transistor circuitry (1)
    - Implemented into LCU, fully functional
- Met extensively with Lee regarding PCB design (1)
    - Verify design rules of PCB
    - Needs antennae measurements
- Looked into cases for PCB (1)

Corey: **4, 14**

- Met with Castek
- Fixed issues
- Updated websites
    - Fixed Lee's name in every weekly report
- Worked on XBee communication

Lafferty: **1.5, 11**

- Check for Raspberry Pi Model (0.5)
- Received Raspberry Pi model, began playing (1)

Priyank: **2.5, 13.0**

- Met with Lee (1.0)
- Did research two-hole or surface mount circuit models (1.5)
    - Surface-mount models are the standard currently
    - Need to examine cost and compare
- Signed up for laser cutting training
    - No date scheduled yet

Mohammad: **2 , 13.5**

- Meet with Lee (1.0)
- Checked the design rule of PCB design (0.5)
    - Not finish yet
- researched on two-hole and surface mount circuit (0.5)
    Need more research on this

Plans

Corey:

- Test XBee built-in security
    - Examine packets

Lafferty:

- Reinstall operating system
- Install mysql
- Begin scripting management scripts in python
- Setup SSH security
- Research into secure python communication library

EEs:

- Formal testing on circuitry
- Research Battery
- Determine part selection on PCB & Location
- Compare / contrast surface mount compared to two-hole mount

Priyank:

- Await date for laser cutting
- Laser cutting classes

Muhammad:

- check the design rule of PCB design

Castek:

- Looking into cases