

CPRE 491 WEEKLY REPORT

MAY15-25

Week 10 Report

Advisor: Lee Harker

Client: Lee Harkin / 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

Weekly Summary

Integration testing

Project Plan work

Weekly Accomplishments

Successful XBee -> XBee communication

Successful raspberry pi -> arduino communication

Meeting Minutes

Date: 11/5/2014

Duration: 60 minutes

Attendance:

Nathan Castek

Nathan Lafferty

Mohammad Syazwan

Priyank Patel

Corey Coazzato

Summary:

Went over previous week's accomplishments

Discussed next week plans

Prepared formal day for integration testing

Discussed XBee problems with Pi, how to overcome

Minutes:

Progress Impediments

N/A

Individual Contributions

(Name) (this week, total)

Castek: 9.1, (51)

- Integration Testing w/ Corey (1.5)
- Redo power calculations for new adjusted scenarios (2)
- PNP transistor research (0.6)
- Bill of Materials for LCU (2)
- Further progression on circuitry (1)
- Defined power calculations data (1)
- Team Meeting (1)

Corey: 6, (48.5)

- XCTU, Xbee communication- 1.5 hours
- Xbee breadboard testing- 1 hour
- Team meeting - 1 hour
- Team testing demo- 1.5 hour
- Design Doc updates- 1 hour

Lafferty: 7, (53)

- Successful XBee communication testing (2)
- Python code to communicate with XBee (1)
- Testing with Arduino/Pi for XBee communication (1)
- Weekly Meeting (1)
- Weekly Report (0.5)
- Project Plan Redesign (1.5)

Priyank: 5, (46)

- Team Meeting (1)
- Research on rechargeable batteries (2)
- Calculations for battery durations (2)

Mohammad: 5, (47.5)

- Team Meeting (1)
- Schematic drawing using Eagle (2.5)
- Research P-NP transistor (0.5)
- Design voltage regulator (1)

Weekly Plans

All

- Work on Integration
- Work on Project Plan / design doc 2.0
- Prepare for presentation at end of semester