

CPRE 491 WEEKLY REPORT

MAY15-25

Week 11 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

Finalizing circuit details for demo

Preparing demonstration to client

Weekly Accomplishments

Project Plan Revised

Further Integration Testing Accomplished

Meeting Minutes

Date: 11/12/2014

Duration: 60 minutes

Attendance (Virtual):

Nathan Castek

Nathan Lafferty

Mohammad Syazwan

Priyank Patel

Corey Coazzato

Summary:

Technical difficulties connecting

Discussed previous week's accomplishments

Discussed next week's goals

Minutes:

https://docs.google.com/a/iastate.edu/document/d/1amVxHpntpgI-Mn3c6xWsZFUqZDOAtqJzUooe0_oSyz8/edit

Progress Impediments

N/A

Individual Contributions

(Name) (this week, total)

Castek: 5, (56)

- Investigated battery issue and verified power calculations (2.5)
- Planned circuitry changes for transistor control (1)
- Outlined changes that needed to be made to design doc (0.5)
- Hosted meeting (1)

Corey: 6, (54.5)

- Atmega sleep implementation - 2 hours
- Xbee sleep implementation- 1 hour
- Prototype of LCU on breadboard and finalizing code for atmega- 2 hour
- Team meeting - 1 hour

Lafferty: 6, (59)

- Project Plan Revision (4)
- Assisted Castek with XBee calculations (0.5)
- Weekly Report (0.5)
- Team Meeting (1)

Priyank: 1, (47)

- Team Meeting (1)
- No Personal Report

Mohammad: 5, (52.5)

- attended meeting - 1.0 hour
- updated the schematic drawing with recent changes to the circuitry - 1.0 hour
- researched on PNP transistor working principle - 1.0 hour
- started the pcb layout drawing in Eagle for LCU - 2 hours

Weekly Plans

Corey

- Power consumption - with Atmega

Lafferty + Corey

- Work to get target identification finished

All

- Prepare for dry-run with Client (Lee)