

CPRE 491 WEEKLY REPORT

MAY15-25

Week 9 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

Design Doc finalizations

Further Integration Testing

Weekly Accomplishments

Website re-uploaded (had to take off of weebly)

Varying parts re-ordered

Set date for complete integration testing

Meeting Minutes

Date: 10/29/2014

Duration: 60 minutes

Attendance:

Nathan Castek

Nathan Lafferty

Mohammad Syazwan

Priyank Patel

Corey Coazzato

Summary:

Emphasized "demonstration deadline" for november 9th. Have components we want to demonstrate in class finished and ready for testing by that date.

Went over previous week accomplishments
discussed next week goals

Minutes:

Progress Impediments

Individual Contributions

(Name) (this week, total)

Castek: 5.5, (41.9)

- Redefined scenario calculations and created tables for results (1.5)
- Drew up all circuits, performed new scenario calculations (2)
- Tested LED and finalized circuitry resistance value (0.5)
- Hosted meeting (1)
- Compared servo with previous servo (0.5)

Corey: 5, (42.5)

- Create new website without redirect- 1 hours
- Bi-LED testing- 0.5 hour
- Team meeting - 1 hour
- Atmega testing with Castek- 1.5 hour
- Atmega and Xbee sleep functionalities - 1 hour

Lafferty: 5, (46)

- Design Doc Finishing Touches (2)
- Weekly Meeting (1)
- Weekly Report (1)
- Xbee Integration (1)

Priyank: 5, (41)

- Team meeting - 1.0 hour
- worked on circuitry using Eagle software - 2 hour
- calculation on the Atmega328 - 2 hours

Mohammad: 5, (42.5)

- attended meeting - 1.0 hour
- revised current calculation on the Xbee and Atmega328 - 1.5 hours
- implemented NPN transistor circuit to power up servo - 0.5 hour
- integrated all circuitry of the LCU in one schematic circuit - 0.5 hour
- worked on schematic circuit of LCU using Eagle software - 1.5 hour

Weekly Plans

Mohammad

- conduct dry-run testing on the LCU

Priyank

- conduct dry-run testing on the LCU

Castek

- Verify we solved ATMEGA loading issues
- Go over circuits with client and further research to make sure they are sufficient

Corey

- Website update(if any)
- further circuit testing/integration

Lafferty

- XBee integration w/ Pi
- Integration with LCU

