EE/SE/CPRE 491 Weekly Report

MAY 1631

Week 7 Report

Advisor

Leland Harker

Client

ISU Electrical & Computer Engineering

Project Title

Automated Tool Monitoring System

Group Member

Team Leader	Edward Droesch (CprE)
Team Webmaster	Wan Zulsarhan Wan Shaari (SE)
Team Communication Leader	Ibtisam Ostham (EE)
Team Key Concept Holder	Mohamad Asyraf Samsudin (EE)

Meeting Attendance (October 18th, 2015)

Wan, Ibtisam and Mohamad

Weekly Summary

The main goal of this week is to continue testing on the sensor and image processing analysis

Meeting Minutes

- Discussed on the best possible way for tools detection and we managed to come out with few choices which are:
  - Using circuit with BGT transistor that act like a switch
- Examined the toolbox to get better picture for sensor installation

Weekly Accomplishment

- Successfully test the sensor program and it works well

Plan for Coming Week

- Work on design document
- One member should try to familiarize with LabView and Vision Software

Pending Issues

- Making sure that the image processing and analysis server is reliable for this project.
- Still have not decided on the design of the lock mechanism
- Have not decide how to implement tools detection

Individual Contributions

- **Edward**
  - Continue research on image analysis and processing server
- **Wan**

- ○ Get started with creating admin web application
- ○ Test on sensor
- **Ibtisam**
  - ○ Research on alternative plan for tools detection
  - ○ Test on sensor
- **Mohamad**
  - ○ Research on alternative plan for tools detection
  - ○ Test on sensor

Individual Hourly Contributions

Team Member	Weekly Hour	Cumulative Hour
Edward Droesch	2	9
Wan Zulsarhan Wan Shaari	2	17
Ibtisam Ostham	2	15
Mohamad Asyraf Samsudin	2	16