

EE/SE/CPRE 491 Weekly Report
MAY 1631 - Spring 2016
Week 4 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 Osthram (EE)
Team Key Concept Holder	Mohamad Asyraf Samsudin (EE)
Team Key Concept Holder	Deeksha Juneja (CprE)

Meeting Attendance (February 5th, 2016)

Edward and Lee Harker

Weekly Summary

The main goal of this week is to continue working on image processing analysis and drawer sensor module

Meeting Minutes

- Discussed about the functionality in Image Processing Unit
- Discussed about the drawer sensor module in our system. (Independent or Integrated)

Weekly Accomplishment

- Measured the estimated distance of drawer from the camera that we will set up
- Captured images for the image analysis
- Fixed the servo module in the Main Control Unit.

Plan for Coming Week

- Continue testing the image and playing around with it
- Need to start deploy the image into the LabView
- Order a camera
- Test the Main Control Unit

Pending Issues

- Still have not decided on the design of the lock mechanism
- The MySQL database is still not working

Individual Contributions

- **Edward**
 - Meet with Mr Harker
 - Tested images with different distances
 - Research on the camera that will work efficiently with the system

- **Wan**
 - Fixed the bug in servo module for the Main Control Unit
- **Ibtisam**
 - Playing around with Vision software and LabView
- **Mohamad**
 - Work on independent circuit design for the drawer
- **Deeksha**
 - Research on the camera that will work efficiently with the system
 - Captured images from the estimated distances

Individual Hourly Contributions

Team Member	Weekly Hour	Cumulative Hour
Edward Droesch	5	39
Wan Zulsarhan Wan Shaari	5	53
Ibtisam Ostham	5	50
Mohamad Asyraf Samsudin	4	48
Deeksha Juneja	5	16