EE/SE/CPRE 491 Weekly Report

MAY 1631

Week 11 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 (November 12ᵗʰ, 2015)

Mr. Harker, Edward, Wan, Ibtisam and Mohamad

Weekly Summary

The main goal of this week is to discuss any issues related to project

Meeting Minutes

- NI Vision and LabView features
- Lock mechanism of the drawer
- Where to implement servo and how it will works to interface with existing lock

Weekly Accomplishment

- Create a simple script for pattern detection in NI Vision Assistant.
- Create a LabView project that able to acquire image from webcam for further processing.

Plan for Coming Week

- Keep working on tools detection and image processing analysis.
- Test the NI Vision Assistant script with images.
- Integrate the vision script into LabView project.

Pending Issues

- Still have not decided on the design of the lock mechanism
- Still have not figured out how to remotely read files from myRIO.
- Still have not finalize the circuit design for drawer sensors.

Individual Contributions

- **Edward**
  - Keep track of everything to ensure the project is within the timeline.
- **Wan**
  - Worked on the NI Vision Assistant script.
  - Worked on the LabView project.

- **Ibtisam**
  - Worked on the NI Vision Assistant script.
  - Worked on the LabView project.
- **Mohamad**
  - Worked on the drawer sensors circuit design

Individual Hourly Contributions

Team Member	Weekly Hour	Cumulative Hour
Edward Droesch	2	21
Wan Zulsarhan Wan Shaari	5	32
Ibtisam Ostham	5	29
Mohamad Asyraf Samsudin	5	30