EE/SE/CPRE 491 Weekly Report
MAY 1631
Week 12 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 19ᵗʰ, 2015)

Mr. Harker, Wan, Ibtisam and Mohamad

Weekly Summary

The main goal of this week is to focus on image processing analysis

Meeting Minutes

- Presented to Mr. Harker on our color combination of the template for image comparison
- Mr. Harker gave advices regarding the final presentation on how to do well during presentation and few crucial questions that might be asked by the industry people

Weekly Accomplishment

- Create a template for pattern matching in Vision software
- Integrate the vision script into LabView project.
- Figure out how to integrate MyRio with Raspberry Pi.

Plan for Coming Week

- Work on image comparison by testing with different images and all possible cases
- Create a drawer prototype
- Prepare for presentation.

Pending Issues

- Still have not decided on the design of the lock mechanism
- 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**

- ○ Create a protocol for communication between MyRio and RaspberryPi.
- **Ibtisam**
  - ○ Worked on NI Vision Assistant and LabView project.
- **Mohamad**
  - ○ Designed and worked on drawer prototype

Individual Hourly Contributions

Team Member	Weekly Hour	Cumulative Hour
Edward Droesch	2	23
Wan Zulsarhan Wan Shaari	5	37
Ibtisam Ostham	5	34
Mohamad Asyraf Samsudin	5	35