

EE/SEE/SE/CPRE 491 Weekly Report
MAY 1631 - Spring 2016
Week 6 Report

Advisor

Leland Harker

Client

ISU Electrical & Computer Engineering Department

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 21th, 2016)

Wan, Deeksha, and Ibtisam

Weekly Summary

The main goal of this week is to finalize the block diagram in the LabView and test it by deploying with the myRio

Meeting Minutes

- Improve and finalize the block diagram to be able to deploy into myRio
- Testing the Labview program with myRio

Weekly Accomplishment

- Creating multiple template images for the Vision Assistant
- Improve block diagram in the LabView
- Testing the new camera and it's working well

Plan for Coming Week

- Continue on web application development once the database is ready
- Continue testing the Image Processing Analysis
- Design a tool foam template and do the cut-out
- Design a lock mechanism using SolidWorks

Pending Issues

- Have not decided on the design of the lock mechanism
- Have not finalize with the Vision Assistant program

Individual Contributions

- **Edward**
 - Talked to Lee Harker about the tools and drawer arrangement
- **Wan**
 - Improvised and completed the block diagram
 - Did camera testing with the latest version of LabView program

- **Ibtisam**
 - Helped Wan with the block diagram
 - Helped with the camera testing
- **Mohamad**
 - Worked on independent circuit design for the drawer and lock mechanism
- **Deeksha**
 - Helped with the camera testing
 - Created basic templates for testing
 - Emailed Mr. Harker about template creation and tools

Individual Hourly Contributions

Team Member	Weekly Hour	Cumulative Hour
Edward Droesch	3	44
Wan Zulsarhan Wan Shaari	5	63
Ibtisam Ostham	5	60
Mohamad Asyraf Samsudin	4	56
Deeksha Juneja	6	26