**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**

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| **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) |
| **Team Key Concept Holder** | Deeksha Juneja (CprE) |

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**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**

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| --- | --- | --- |
| **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 |