**EE/SE/CPRE 491 Weekly Report**

**MAY 1631 - Spring 2016**

**Week 2 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 (January 22th, 2016)**

Edward, Wan, Ibtisam, Mohamad, Deeksha

**Weekly Summary**

The main goal of this week is to start working on where we left on from last semester and also dividing work with our new member, Deeksha

**Meeting Minutes**

* Ibtisam, Edward and Deeksha will be working on Image Processing Unit and myRIO program
* Wan will be working on adding new features on the Web Application and will be helped by Deeksha
* Mohamad will be working on hardware setup of the system

**Weekly Accomplishment**

* Installed National Instrument Software Bundle on our laptop
* Distributed the work among members
* Acquired several foam of different colors

**Plan for Coming Week**

* Deciding the color contrast of the foam for tool placement and image analysis
* Keep working on MyRio program and Vision software
* Working on adding new features to the Web Application

**Pending Issues**

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

**Individual Contributions**

* **Edward**
  + Installed MyRio Vision software
  + Discussed on the issue of different distances from camera to drawer
* **Wan**
  + Gave ideas for the work distribution of this semester
  + Rerun the program
  + Explained to our new member, Deeksha about the software part
  + Wrote and upload weekly report 1
* **Ibtisam**
  + Emailed team members to remind about the meeting
  + Discussed on the issue of different distances from camera to drawer
  + Explained a little bit about the progress of Image Processing Unit to team members
* **Mohamad**
  + Work on independent circuit design for the drawer
* **Deeksha**
  + Emailed ETG to resolve the issue with the database
  + Discussed ideas of camera placement
  + Tried to install the MyRio software (unsuccessful for unknown reason)
  + Understood the software a little bit with the help of team members

**Individual Hourly Contributions**

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| **Team Member** | **Weekly Hour** | **Cumulative Hour** |
| Edward Droesch | 5 | 29 |
| Wan Zulsarhan Wan Shaari | 5 | 43 |
| Ibtisam Ostham | 5 | 40 |
| Mohamad Asyraf Samsudin | 4 | 40 |
| Deeksha Juneja | 6 | 6 |

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