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

**MAY 1631 - Spring 2016**

**Week 5 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 12th, 2016)**

Wan, Deeksha, and Lee Harker

**Weekly Summary**

The main goal of this week is to continue working on image processing analysis, drawer sensor module, test the Main Control Unit and solve the MySQL database issue

**Meeting Minutes**

* Meet the person from ETG to discussed about the MySQL database issue.
  + They will create a new Linux VM with MySQL and PHP capability for our team
* Meet with Lee Harker to discuss about the camera

**Weekly Accomplishment**

* Talked to Lee Harker about the camera that we want to use and he ordered the camera
* Solved the MySQL database issue

**Plan for Coming Week**

* Continue on web application development once the database is ready
* Continue testing the image and playing around with it
* Need to start deploy the image into the LabView
* Design a lock mechanism using SolidWorks

**Pending Issues**

* Still have not decided on the design of the lock mechanism
* Have not decided on the tool foam design

**Individual Contributions**

* **Edward**
  + Keeping track the project’s timeline
  + Worked on IPU image detection testing
* **Wan**
  + Solved the Database issues
  + Test the Main Control Unit with servo module
* **Ibtisam**
  + Work on LabView and Vision script
* **Mohamad**
  + Work on independent circuit design for the drawer and lock mechanism
* **Deeksha**
  + Met Lee Harker about the camera (it has been ordered)
  + Arranged the meeting between ETG and Wan to solve the Database issues
  + Research on LabView and understand it’s working

**Individual Hourly Contributions**

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| --- | --- | --- |
| **Team Member** | **Weekly Hour** | **Cumulative Hour** |
| Edward Droesch | 3 | 42 |
| Wan Zulsarhan Wan Shaari | 5 | 58 |
| Ibtisam Ostham | 5 | 55 |
| Mohamad Asyraf Samsudin | 4 | 52 |
| Deeksha Juneja | 4 | 20 |