EE/SE/CPRE 491 Weekly Report
MAY 1631
Week 8 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 (October 20th, 2015)

Edward, Wan, Ibtisam and Mohamad

Weekly Summary

The main goal of this week is to work on design document

Meeting Minutes

- Delegated work between all members to have all parts of design document done within the dateline:
    - Edward - I/O Specification, implementation issues challenges,
    - Wan - Functional decomposition, block diagram, software specification, testing procedure, software design document
    - Ibtisam - Executive summary, project statement, simulation and modelling, conclusion
    - Mohamad - Hardware specification, CAD mechanical and electronic, PCB issues

Weekly Accomplishment

- Wrote our design document

Plan for Coming Week

- Work on tools detection
    - Try to come out with Plan C in case of plan A and B did not work
- Prepare to have a provable concept before Thanksgiving break
- Wrote a program for the Main Control Unit of the system
    - Integrate all parts of the system with a main program

Pending Issues

- Making sure that the image processing and analysis server is reliable for this project.
- Still have not decided on the design of the lock mechanism
- Have not decide how to implement tools detection

Individual Contributions

- **Edward**
  - Wrote the Design Document
  - Continue research on image analysis and processing server
- **Wan**
  - Wrote the Design Document
  - Continue research on image analysis and processing server
- **Ibtisam**
  - Wrote the Design Document
  - Research on alternative plan for tools detection
- **Mohamad**
  - Wrote the Design Document
  - Research on alternative plan for tools detection

Individual Hourly Contributions

Team Member	Weekly Hour	Cumulative Hour
Edward Droesch	2	11
Wan Zulsarhan Wan Shaari	2	19
Ibtisam Ostham	2	17
Mohamad Asyraf Samsudin	2	18