

EE 491 WEEKLY REPORT 9

Date:03/27/2017

Group number: Dec1702A

Project title: Algona Municipal Utilities Power System Designs

Client &/Advisor: Algona Municipal Utilities / Anne Kimber

Team Members/Role: Yuxuan Yuan: Leader; Shengxin Mao: Communication director; Changlin Li: Software master;

o Weekly Summary

In this week, we received some responses of DGR and Milsoft. The license of Milsoft still has some problems and need to keep communicate with Greg, the senior engineering of Milsoft. And we have the electric utility circuit model of Algona from DGR. On the same time, we work on new project plan and start to discuss about our final presentation.

o Past week accomplishments

- Team Member Yuxuan Yuan: I keep communicating with DGR and Milsoft. About Milsoft, the license of ISU has some problems and cannot login successful. And ETG and Dr. Kimber don't know how to solve that. That is why I contact Greg to ask about that. After multiple attempts, I change correct license and login student version of Milsoft. On the same time, I keep to read some relative books.
- Team Member Shengxin Mao: In this week, I keep to read the instruction how to use the Milsoft which the software contain toolbar and how we use it for our project to design and analysis. Then I updated our senior design website.
- Team Member Changlin Li: Because we still don't load circuit with Milsoft, I just watch two videos about introduction of Milsoft and talk to our teammates about how to improve our project plan. On the same time, I start to create some small circuits in the student version Milsoft.

o Pending issues

- Team Member Yuxuan Yuan: Because our electric utility circuit model is complex and more than 150 elements, the student version cannot load our utility circuit. So I try to contact the support help of Milsoft to solve that problem.

- Team Member Shengxin Mao: We will discuss what we need to present in our presentation. And we need to think about which data we might need to calculate without using milsoft now.
- Team Member Changlin Li: I got some problems when I model some small circuits in the Milsoft, I will keep finding out that.
- **Individual contributions**

<u>NAME</u>	<u>Individual Contribution</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Member Yuxuan Yuan	Contact the DGR and Milsoft. Try to fix the login problem and read relative books.	7	56
Member Shengxin Mao	learn to use Milsoft and update our website	6	49
Member Changlin Li	Watch the introduction videos for Milsoft and start to redo the project timelines for project plan	6	48.5

o **Comments and extended discussion**

The wrong license issue delays our schedule a little because we need to know the exact data that we need to provide for Milsoft. Even though the Milsoft is the popular utility circuit analyzed software now, the instruction of Milsoft is a few and blurry. We hope we can load our circuit early and start to analyze the circuit.

o **Plan for coming week**

- Team Member Yuxuan Yuan: Keep contacting with Milsoft and getting the full version Milsoft. Load our circuit and start our next step calculation.

- Team Member Shengxin Mao: We will meet together and keep to work on presentation. And we also need to upgrade our draft plan of system.
- Team Member Changlin Li: Because we did not have meeting last week with advisor, I will ask some questions about presentation and if we can use Milsoft, I will start to try some examples from videos on Milsoft.

○ **Summary of weekly advisor meeting**

In this week, we didn't have weekly advisor meeting because Dr. Kimber is busy in this week.