

EE 491 WEEKLY REPORT 10

Date:04/03/2017

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 got some progress about the license of Milsoft and can load our circuit now. Based on the whole Algona Milsoft circuit model, we try to test some basic functions of Milsoft. On the same time, we finished the second version of project plan and keep to work on the presentation.

o Past week accomplishments

- Team Member Yuxuan Yuan: Work on the database and load our circuit successful. I keep communicating with the engineer of Milsoft to get some technology support. On the same time, I try to find out how to load the detail data and how to test if has interrupt or error.
- Team Member Shengxin Mao: I try to test some simply function in Milsoft. And found out the build of basic elements, like underground, overhead, transformer and so on. And I worked on the project plan with my teammates and kepted to update our website.
- Team Member Changlin Li: I redid the timeline in the new version of project plan. I also prepared to start our presentation for this semester and also asked manager of AMU if I can get a internship in Algona in summer so that I know more about AMU to help our design.

● Pending issues

- Team Member Yuxuan Yuan: The most main issue is about the tutorials of Milsoft. Actually, we cannot find any tutorials to introduce the basic detailed function of Milsoft. Milsoft has constant training conferences but we cannot join that because of the limitation of time and position.
- Team Member Shengxin Mao: We still confused about how to test the Milsoft and

standard of Milsoft. And how to find the data of circuit should be another problem.

- Team Member Changlin Li: A few tutorials is the main issues for us now. And I still need to think about how to explain our project in presentation.
- **Individual contributions**

<u>NAME</u>	<u>Individual Contribution</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Member Yuxuan Yuan	Work on the circuit load and explore the basic function of Milsoft.	7	63
Member Shengxin Mao	Test the Milsoft	6	55
Member Changlin Li	Work on project plan and communicate with AMU about internship	3	51.5

o **Comments and extended discussion**

Based on the really busy week, we got some progress about the circuit load. And our team had a good job with the upgrade of project plan. But we still face the big problem about tutorials of Milsoft. Because ISU power group doesn't use Milsoft to do researches, nobody is familiar with Milsoft now. We need to spend more time for the test of Milsoft.

o **Plan for coming week**

- Team Member Yuxuan Yuan: I will contact with engineer of Milsoft about some online tutorials. And I will try to contact an EE graduate who worked on Milsoft before. On the same time, work on the test of Milsoft and prepare presentation with my group.
- Team Member Shengxin Mao: I will continue to test the Milsoft and we will plan for our presentation.
- Team Member Changlin Li: I will learn and test Milsoft with my teammates and wait the answer from AMU. I will also skype with my friend in China to ask for helping me find some materials about Milsoft.

o **Summary of weekly advisor meeting**

In this week, we didn't have weekly advisor meeting because Dr. Kimber had other appointments in this week.