

EE 492 Weekly Report 1

8/28/16

Group number: DEC1614
Project Title: Impact of High Photo-Voltaic Penetration on Distribution Systems
Client & Advisor: Iowa State University & Alliant Energy & Venkataramana Ajarapu
Team Members/Role:
Logan Heinen /Team Leader
Difeng Liu/Team Webmaster
Zhengyu Wang /Team Communication Leader
Redouane Zaou /Key Concept Holders

Weekly Summary

This is the first week of the new semester, and now we have finished the first stage of our project. In this semester, we will keep working on the last stage and explore more to deliver final goals to department, Advisor, and Client. During the first week, what we did is meeting with Dr. Ajarapu for reviewing our project progress and milestones. Besides, we also planned for this semester a little bit with our client, Alliant Energy, through a short conference call. After making sure the research direction and specific problems we need to solve and deal with, we will start our project stage II shortly.

Past week accomplishments

1. Meeting with Advisor in advance;
2. Reviewing achievement from last semester;
3. Conference call with client;
4. Sign up for 492 course group and meet with Instructor in class;
5. Scheduled a meeting in group for planning this semester.

Pending issues

- ❖ Setting up course milestones;
- ❖ Field trip in Washington area plan;
- ❖ Making group study schedule for this semester;
- ❖ Warm up with previous system that we used to research in Open DSS;
- ❖ Prepare for the first meeting with Instructor;
- ❖ Research real world data base and relating files from client;

Individual Contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Logan Heinen	Meeting with advisor, Group meeting, Communication with Ph.D. student, Ankit, Database research and analysis;	4	4
Difeng Liu	Updating website, Meeting with advisor, Group meeting, Database research;	4	4
Zhengyu Wang	Meeting with advisor, Group meeting, Database research, Weekly report;	4	4
Redouane Zaou	Meeting with advisor, Group meeting, Database walkthrough.	4	4

Comments and Extended Discussion

Coming to the first week of the new semester, all of us feel a little bit unfamiliar with our software, project, and study rhythm. So we must make a detailed plan that can ensure we will walk out from current situation and be prepared for the next stage of project. According to the content covered in conference call, this stage will be more difficult, and we will test our system with data from real world, and it is a great challenge for sure. To keep making progress, we will have the whole team work together, and increase the cooperation level. In the first week, all our group member showed up for every necessary meeting, which is great, and we should continue. Hopefully, we can achieve all the goals in advance.

Plan for Coming Week

For next week, we will keep our regular meeting with advisor as usual on Monday, and hand in research output during the meeting. The second thing for planning is to make an appointment with Instructor, and we have decided to meet on 7th of Sep so that we will have some time to warm up and be prepared. The last part of our plan is walking through the database from Alliant Energy, because we will need a better understanding of the real demands of our client so that we can margin our schedule more efficiently.

Summary of Weekly Advisor Meeting

The first weekly meeting with advisor does not cover many detailed technical material, but it was all about planning and knowing real demand of client. The most important thing happened during the weekly meeting is having conference call with client, because now they do have an idea about how we did. what we have done, and what we can do next. General speaking, it is a good start.