

EE 491 Weekly Report | May15-01 | Week 2 (9/8/14 - 9/15/14)

Advisors: Adam Literski, Dr. Ajarapu Corporation

Client: Black & Veatch

Members (roles): Matt Backes (Team Leader), Ryan Jerve (Communications Leader), Faran Malik (Communications Leader), Sohail Suryavanshi (Webmaster), Bhargav Gouni (Key Concept Holder), Kiran Rane (Key Concept Holder)

Project Title: 69kV / 12kV Substation Design Project

Weekly Summary:

The main goal this week was to have our first meeting with Dr. Ajarapu and discuss our project with him. We met with him on September 10th and discussed the very basics of our project. Dr. Ajarapu advised us to change group roles often for a more diverse experience and provided some substation documents. We also decided on a weekly time to meet as just our group. Since our Black and Veatch representative has been unavailable to meet with us, we decided to schedule a meeting with him on the day after the career fair, since he will be in Ames.

Meeting Notes:

We decided on a time when we could meet as just our group. As of now the meeting time is Tuesday from 7-9pm, but this could change in the future.

9/10 Group Meeting with Advisors

We met with Dr. Ajarapu on 9/10 and discussed the broad overview of our project. He suggested that we rotate responsibilities throughout the semester so we can all experience different kinds of work. Dr. Ajarapu became more familiar with our group and later provided some documents to help us become more familiar with substations. We didn't get the chance to meet with Adam Literski because he is currently unavailable. We will meet with Adam on the day after the career fair, since he will be in Ames. We will talking to Adam about the possibility of traveling to a substation that is currently under construction. We will also look into the possibility of building a 3D model of a substation using a 3D printer.

Pending Issues:

1. We need to meet with Adam for some specifics on the project.
2. Our first task is an engineering man-hour budget.

Plans for Next Week:

This week we will have our first meeting without an advisor and discuss our roles in substation design, as well as meet with Dr. Ajarapu again. We also will research the documents provided by Dr. Ajarapu and schedule the meeting with Adam.

Individual Contributions(this week)

Matt Backes: Attended weekly meeting with Dr.

Ajjarapu, Research (2 hour)

Faran Malik: Attended weekly meeting with Dr. Ajjarapu, worked on weekly report, Research (2.5 hours)

Ryan Jerve: Attended weekly meeting with Dr. Ajjarapu, worked on weekly report, Research (2.5 hours)

Sohail Suryavanshi: Attended weekly meeting with Dr. Ajjarapu, Research (2 hour)

Bhargav Gouni: Attended weekly meeting with Dr. Ajjarapu, Research (2 hour)

Kiran Rane: Attended weekly meeting with Dr. Ajjarapu, research (5 hour)

Total contributions for the project:

Matt Backes (3 hours)

Ryan Jerve (3.5 hours)

Faran Malik (3.5 hours)

Kiran Rane (4.5 hours)

Sohail Suryavanshi (2.5 hours)

Bhargav Gouni (2.5 hours)