

EE 491 Weekly Report | May15-01 | Week 14 (1/18/14 -2/1/15)

Advisors: Adam Literski, Dr. Ajarapu Client: Black & Veatch Corporation
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

Meeting Notes:

- Revision to drawings according to pdf sent by B&V
 - Lowside Relay
 - Backup Panel
 - Primary Relay
 - Key Protection
- Begin working on
 - Communication Panel
 - Station Battery Calculations
- Prepare for meeting with Professor Amariucaí

Pending Issues:

1. Continuing the entire design process
2. Finish panels based off of feedback:
 - 2.1. Panel arrangement drawings
 - 2.2. Key protection drawing
 - 2.3. Low side breaker
 - 2.4. Back up relay
 - 2.5. Primary relay
3. Prepare for meeting with the Professor

Plans for Next Week:

Tasks for each team member:

1. Matt & Faran: Work on communication panels
2. Bhargav & Sohail: Panel Layouts: Bank Panel and the Backup Panel
3. Ryan: Battery Sizing

Current Individual Contributions

- Matt Backes: Attended weekly meetings. Worked on revisions for Primary Relay. (3 hours)
- Faran Malik: Attended weekly meetings. Worked on revisions for Lowside Relay. (3 hours)
- Ryan Jerve: Attended weekly meetings. Worked on Lowside Relay and Back up Panel (3 hours)
- Sohail Suryavanshi: Attended weekly meetings. Worked on Backup Panel (3 hours)

- Bhargav Gouni: Attended weekly meeting. Worked on bank panel and key protection drawing. (3 hours)
- *Kiran Rane: Return uncertain due to health*

Total contributions for the project:

- Matt Backes (66 hours)
- Ryan Jerve (59 hours)
- Faran Malik (59 hours)
- *Kiran Rane (55 hours)*
- Sohail Suryavanshi (59.5 hours)
- Bhargav Gouni (59 hours)