

EE/ CprE 491 – ssddec18-19 Weekly Report

3/6/18 – 3/13/18

Group number: 19

Project Title: Design and Implementation of a small scale standalone Hybrid Solar PV and Wind Energy Generation System

Client & Advisor:

Venkataramana Ajjarapu

Team Members/Role:

Christopher Goodrich: Reasearch Engineer

Taylor Mullen: Testing Engineer

Kenny Nguyen: Testing Engineer

Damon Stubbs: Research Engineer

Andrew Wassenaar: Team Leader

Past Week Accomplishments:

- Ran through lab with TA advised to us by client
- Continued to brainstorm ideas about new load to add to lab

Issues:

- Some values in the lab could not be obtained on display
- Too many wires were getting in the way when doing the lab
- Lab circuitry had many shorts and made noises when under load

Individual Contributions:

Name	Individual Contribution	Hours this Week	Cumulative Hours
Christopher Goodrich	Found that the lab was not working as it needed to, so it would be able to perform the lab. We decided that the solar panels were not able to produce the power needed to run the lab, so I was tasked with looking into our options of placement of the solar panels.	4	24
Taylor Mullen	Continue to look into the lab setup and research new load ideas	3	21

Kenny Nguyen	Ran through Lab with TA. Continued to review components and brainstorm ideas for loads that will be acceptable to client and EE 452 course	3	22
Damon Stubbs	Researched and brainstormed new ideas for different sources.	2	21.5
Andrew Wassenaar	Developed possible solutions the problem of not having enough input power from the Solar Panels. Read through data sheet for displays to learn how to fix them.	3.5	22.5

Plans for coming Week:

- Since coming week is week of spring break, group members were to review components and review prior groups work to understand lab setup more
- Brainstorm ideas on new loads