

**EE/CprE/SE 491 - sddec19-06****Design and Implementation of a Small Scale Stand Alone Hybrid Solar PV and Wind Energy Generation****WEEKLY REPORT - 1**

1/25/19 – 2/8/19

Client and Faculty Advisor: Dr. Venkataramana Ajjarapu

**Team Members:**

Hussein Ghitan - Meeting Scribe  
Blaise Ronspies - Test Engineer  
Adam Schroeder - Chief Engineer  
Anna Schulte - Meeting Facilitator

**Weekly Summary:**

The team set up a time for weekly meetings with the client, and project advisor, Dr. Venkataramana Ajjarapu as well as the PhD student who will be a resource for us. Project's team has discussed some of the overall ideas and goals of the job done in the past by the previous groups that worked on this project. A large portion of the PV scale project has already been installed and partially tested. This includes the project simulation as well as the functional solar panel. Dr. Ajjarapu has also discussed deadlines for some of the tasks that need to be done by the end of April 2019. The main task for this deadline is to test and get the small scale stand alone hybrid solar PV energy generation functionally and safely working for the upcoming students in the EE452 course lab. Our client also mentioned some financial assistance available for the team to request if needed and the lab access form has been issued for all members.

**Past Week Accomplishments:**

The team roles have been established based on last week's meeting, however, the whole process and roles division is still undergoing. For the individual contributions, Lab access form has been requested by all members and granted for Blaise Ronspies so far. SSH key set up for gitlab by Blaise. A shared google folder was set up by Anna. Meeting's time and locations has been set by Hussein.

**Pending Issues:**

Due to weather and college cancellation meetings have been difficult to coordinate.

**Individual Contributions**

<b>Team Member</b>	<b>Contribution</b>	<b>Weekly Hours</b>	<b>Total Hours</b>
Hussein Ghitan	Meeting with the client/ advisor, getting a visual of the Solar PV system, and a basic understanding for the expectations of the project.	3	3
Blaise Ronspies	Met with client/advisor (missed first	2	2

	meeting due to working clubfest), reviewed project and previous teams' deliverables. Participated in team communication and set up git usage.		
Adam Schroeder	Meeting with the client/ advisor, getting a visual of the Solar PV system, and a basic understanding for the expectations of the project. Contributed to weekly status report.	3	3
Anna Schulte	Meeting with the client/advisor, getting a visual of the Solar PV system, and a basic understanding for the expectations of the project.	2.5	2.5

### Plans for Coming Week

Meet with Dr. Venkataramana Ajjrapu and report a small power point presentation on our understanding of the status of the project that has been completed thus far. Using the references that were given in the design deliverables of the last group that worked on this project, we will familiarize ourselves and obtain a basic understanding of how a stand alone PV energy system works.