

**May1727**

**Project Title: Stand-alone Hybrid Solar/Wind  
Power Plant**

**Advisors: Dr. Venkataramana Ajarapu & Ankit  
Singhal**

**Team Member – Roles**

Nathaniel Byrne - Group Leader

Brian Gronseth - Solar Tech. lead

Jeffrey Szostak - Wind Tech. Lead

Matthew Lee - Communications Lead

Mike Trischan - Key Concept Holder

Eric Cole - WebMaster

Executive Summary:

With the end of the semester fast approaching we worked on creating an end game plan. We set deadlines for the last three remaining assignments so we can maintain focus even through the end of our time together.

Past Week Accomplishments:

Tested lab experiments, finalized lab experiments, worked on poster
This week, the group finalized all of our Simulink models as well as our experiments We also began our poster and made good progress on it.
Wrote lab documents for EE 452, started work on the final documentation for the class and completed a rough draft of our poster.
Team met as a whole to finalize lab documents and poster, as well as to outline the rest of the documentation due for senior design.
We worked on the poster.
We've begun to finalize our end game strategy. We made a timeline for what still needs to be accomplished and by when in order to not miss any deadlines.

Individual Contributions:

Name	Hours this week	Cumulative	Contribution
Nathaniel Byrne	1	70.5	I was largely absent
Brian Gronseth	5	85	Worked on poster and outline for the upcoming weeks. Finalized lab manual for hardware measurements.
Jeffrey Szostak	5	106.4	I finalized the Input Simulator block as well as wrote a lab centered around its parameters. I also helped with creating the poster.
Matthew Lee	5	113.8	I provided input for the poster and put the finishing touches on some lab experiments as well as created ready made simulation files.
Mike Trischan	5	103	Worked on poster, lab docs, and testing of lab experiments
Eric Cole	5	97	Wrote a lab document for EE 452, started the presentation for the final and helped to complete a rough draft of our poster.

Summary of Weekly Advisor Meeting:

Discussed previous accomplishments, future tasks
The meeting went well. We met with Pranav Sharma from 1-2pm Friday and Pranav and Dr. Ajarapu 2-2:30 pm
Ajarapu wanted to make sure we don't miss any deadlines.
Outlined everything we needed to finish in the next couple weeks and explained how our lab demo would work for both the poster demonstration and the 452 sections.
NA
Ajarapu wanted to make sure we don't miss any deadlines.

Plan for Next Week:

Work on finishing labs, final presentation, and poster
Finish our poster, and begin our powerpoint presentation.
FINISH POSTER, and all other presentation material for dead week.
Team will meet to create the final document and to TA for an hour on Tuesday and Wednesday.
Finish the poster and presentation and report.
Come up with a gameplan for the IRP and demonstration. This includes: Drafting an outline for our final IRP presentation, outlining what we want to cover on our poster board, and what/how we want to demonstrate our project.
Finalize lab experiments to be printed and presented in our next meeting with Ajarapu.. This includes attempting the lab experiments (or outsourcing the lab experiments).

Pending Issues:

Na
None
None
NA
NA
None

Comments/Extended Discussion:

NA
None
none
NA
NA
NA