

**BP Simulated Wind Turbine
and Wind Farm Generation –
Control and Optimization**

Project Status Report

To: Glenn Gesoff, BP; Ian Alleyne, BP

From: Bert Yan, Penn State University;
David Rohrbaugh, Penn State University;
Marissa Stecko, Penn State University;
Neloe Anonyuo, Penn State University;
Scott Carroll, Penn State University;
Shuaipeng Dong, Penn State University

cc: Al Verbanec, Penn State University

Date: 9/3/2022

Re: Status report, week #2

Quick status

Number of tasks scheduled this week:	3
Number of tasks completed this week:	3
Hours spent this week:	34
Hours spent this semester:	34
Project hours spent this semester (remove classwork hours):	10
Remaining number of tasks:	N/A
Remaining estimated hours:	N/A
Remaining estimated project hours:	N/A

Narrative

In the past week we began researching various software's that we could potentially use to model the wake of the wind turbine. On Thursday we met with our sponsor to discuss what we have researched and what they expect from the team throughout the semester. In the meeting we also discussed various deliverables that BP is expecting from the team and we completed the deliverables agreement.

Tasks *completed*

List the tasks from the previous week's status report that were *completed*, along with a brief description of any issues or problems that were encountered. Include who did the work and how long it took that person / those people in actual hours spent. (Obviously this is blank the first time.)

Task completed	Code ¹	Who did the work and actual hours spent
Completed Deliverable Agreements after convening with the BP sponsors	A	Bert, David, Marissa, Scott, Seyilayo, 5 hrs total
Researched mechanical information and software related to the project	C	Bert (2.5 hrs), David (0.5hrs), Marissa (2 hrs), Scott (1hr), Seyilayo (1hr) , Nelloe (1hr) , Shuaipeng (1hr)
Discussed potential deliverables with the sponsor.	A/I	Bert, David, Marissa, Scott, Seyilayo, Nelloe (1.2 hrs each)
Status Report Completion	C	Bert, David, Marissa, Scott, Seyilayo, Shuaipeng, Nelloe
N/A	N/A	N/A

Tasks *not* completed that were scheduled for completion

List the tasks from the previous week's status report that were *not* completed, along with an explanation of why the task is not completed. (Obviously this is blank the first time.) Include an explanation of why the task was not completed.

Task	Code	Explanation of why the task was not completed	Who did the work and actual hours spent
			N/A
N/A	N/A	N/A	N/A

¹ The Code is one of these: (A)administrative task (e.g., meetings, paperwork for LF), (C)lasswork, (I)nteraction with client, (D)esign work, (P)rogramming, (O)ther

Total time spent | Show the totals of time by code for the week and for the project so far.

Code	This week	Entire project
Administrative	N/A	N/A
Classwork	N/A	N/A
Interaction with client	N/A	N/A
Design work	N/A	N/A
Programming	N/A	N/A
Other	N/A	N/A
Totals:	N/A	N/A
Estimated time:	N/A	N/A

Code	Time spent this week	Time spent entire project
N/A	N/A	N/A
	N/A	N/A
	N/A	N/A
	N/A	N/A
	N/A	N/A
	N/A	N/A
Totals:	N/A	N/A

Tasks for next week

List the tasks that will be completed next week. Include a brief explanation of each and who is responsible for doing those tasks. *Include those tasks from the prior week that were not completed.*

Task	Code	Description	Who is assigned + estimated total hours
Continue research and compile Literature review	C	Continue research that is relevant to the project scope, as well as compile the literature review and submit to canvas by 9/11/2022	ALL, 5 hrs each
Software Selection	P	Continue to research and find the optimal model construction platform for the wind turbine simulation	ALL, 2 hrs each
N/A	N/A	N/A	N/A, N/A hours

Upcoming tasks

This list should be everything that is in your work breakdown structure but that is not scheduled for this week and also not yet completed. Include the code and the expected week of completion. Essentially, this list should get shorter every week as you proceed toward the completion of the project.

Task	Code/ Week	Description	Estimated total hours
N/A	N/A /Wk N/A	N/A	N/A
N/A	N/A /Wk N/A	N/A	N/A
N/A	N/A /Wk N/A	N/A	N/A
Total hours remaining on project	N/A		N/A

Sign off

Each group member must sign off on the status report. Electronic signatures are okay, but they must be approved by the group member (not just automatically included w/o review). Note that if someone submits this report without all group members' actual approval, this is a violation of protocol.

Bert Yan 9/1/2022
Bert Yan date

David Rohrbaugh 9/1/2022
David Rohrbaugh date

Scott Carroll 9/1/2022
Scott Carroll date

Marissa Stecko 9/1/2022
Marissa Stecko date

Nelloe Anonyuo 9/1/2022
Nelloe Anonyuo date

Shuaipeng Dong 9/1/2022
Shuaipeng Dong date

Seyilayo Olagbami 9/1/2022
Seyilayo Olagbami date
9/1/2022