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;

Nelloe Anonyuo, Penn State University;

Scott Carroll, Penn State University;

Seyilayo Olagbami, Penn State University;

Shuaipeng Dong, Penn State University

cc: Al Verbanec, Penn State University

Date: 10/2/2022

Re: Status report, week #6

Quick status

Number of tasks scheduled this week:	4
Number of tasks completed this week:	4
Hours spent this week:	
	19.75
Hours spent this semester:	
	116
Project hours spent this semester (remove classwork hours):	112

Remaining number of tasks:	
	30
Remaining estimated hours:	>60 hours
Remaining estimated project hours:	
	Hard to
	determine

Narrative

In week 6, our group was able to determine a more specific plan to achieve a desirable goal for both the sponsor and ourselves. From this, the group has been able to start researching more specific parts of PyWake, in order to understand what we can use to create our model. We also started work on a PowerPoint that will be used in a presentation to our fellow students, to explain what is occurring in our project.

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
Status Report Week 6	C/ Wk	Marissa (1 hours), Bert (1 hour), Scott (1 hour)
(10/2)	6	Nelloe (1 hour) Seyi (1 hour) Shuaipeng(1
		hour) David(0.5 hour)
Week 6 BP Meeting	I/ Wk 6	All (1.25 hours)
Additional Program Research on	O/ Wk	Bert (2 hours), David(2 hours), Seyi (2 hours),
PyWake Models	6	Nelloe (2 hours)
Project Management Formatting	O/ Wk	Bert (.75), David (.75), Shuaipeng (.5),
-	6	Marissa (2 hours)
Additional Interaction w/ Sponsor	I/ Wk 6	Marissa (1.5 hours)

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.

** all tasks were completed this week

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

¹ The Code is one of these: (A)dministrative 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	0	13.75
Classwork		51.5
	7.5	
Interaction with		
client	7.25	23
Design work	0	0
Programming	0	0
Other	3	8
Totals:		
	17.75	96.25
Estimated	N/A	N/A
time:		

Code	Time spent this week	Time spent entire project
	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
Design Specification	C/ Wk 7	Details on canvas	(15-20 hours)
Report (10/9) Status Report Week 7 (10/9)	C/ Wk 7	Complete the weekly status report and enter your personal hours logged	All (1.5 hours)
Project Presentation (in class) (10/4)	C/ Wk 7	Presentation summarizing statement of work in class	All

Week 7 BP	I/ Wk	Teams meeting with BP, all attendees	All (1 hour)
Meeting	7		
BP Monthly	I/ Wk	Teams meeting with BP	All (30 min)
Stakeholder	7	-	
Update (10/6)			

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
Status Report	C/	Complete the weekly status report and	
Week 7 (10/9)	Wk 7	enter your personal hours logged	
Design	C/	Details on canvas	(15-20 hours)
Specification Report (10/9)	Wk 7		
Week 7 BP Meeting	I/ Wk	Teams meeting with BP. All attendees	All (1 hour)
	7	Compute the weekly status no port and	
Status Report Week 8 (10/23)	C/ Wk 8	Complete the weekly status report and enter your personal hours logged	
Week 8 BP	I/ Wk	Teams meeting with BP. All attendees	All (1 hour)
Meeting	8		
Status Report	C/	Complete the weekly status report and	All (1.5 hours)
Week 9 (10/30)	Wk 9	enter your personal hours logged	
Week 9 BP	I/ Wk	Teams meeting with BP. All attendees	All (1 hour)
Meeting	9		
Status Report	C/Wk	Complete the weekly status report and	All (1.5 hours)
Week 10 (11/6)	10	enter your personal hours logged	
Week 10 BP	I/ Wk	Teams meeting with BP. All attendees	All (1 hour)
Meeting	10		
Status Report	C/Wk	Complete the weekly status report and	All (1.5 hours)
Week 11 (11/13)	11	enter your personal hours logged	
Week 11 BP	I/Wk	Teams meeting with BP. All attendees	All (1 hour)
Meeting	11		
Status Report	C/Wk	Complete the weekly status report and	All (1.5 hours)
Week 12 (11/20)	12	enter your personal hours logged	
Week 12 BP	I/Wk	Teams meeting with BP. All attendees	All (1 hour)
Meeting	12		
Status Report	C/Wk	Complete the weekly status report and	All (1.5 hours)
Week 13 (11/27)	13	enter your personal hours logged	

Week 13 BP Meeting	I/Wk 13	Teams meeting with BP. All attendees	All (1 hour)
Executive	C/Wk		
Summary (12/4) Poster (12/4)	14 C/Wk		
	14		
Project Video (12/4)	C/Wk 14		
Week 14 BP Meeting	I/Wk 14	Teams meeting with BP. All attendees	All (1 hour)
Status Report Week 14 (12/4)	C/Wk 14	Complete the weekly status report and enter your personal hours logged	All (1.5 hours)
Final work product (12/11)	C/Wk 15		
Final Report (12/11)	C/Wk 15		
Week 15 BP Meeting	I/Wk 15	Teams meeting with BP. All attendees	All (1 hour)
Status Report Week 15 (12/11)	C/Wk 15	Complete the weekly status report and enter your personal hours logged	All (1.5 hours)

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	10/2/2022	David Rohrbaugh	10/2/2022
Bert Yan	date	David Rohrbaugh	date
Scott Carroll	10/2/2022	Marissa Stecko	10/2/2022
Scott Carroll	date	Marissa Stecko	date
Nelloe Anonyuo		Shuaipeng Dong	10/2/2022
10/02/2022 Nelloe Anonyuo		Shuaipeng Dong	date
10/022022			

Seyilayo Olagbami 10/02/2022

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