

Project Status Report: CEEEn-2019CPST-016

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Project Title: Cold plate challenge from Raytheon

Report Date: 11/8/21

1) Summary of technical/non-technical challenges encountered

- We learned more about Abaqus finite element analysis program through our most recent lab given to us by Dr. Scott.
- We still do not fully understand our project, but we will learn at the start of next semester.

2) Team approaches & resolutions to overcome challenges

- Dr. Scott has a Coreform module where we can find our labs and last weeks was learning about buckling and how we can model it in Abaqus. This was helpful in overcoming our challenge of not knowing how to use the program. We are becoming more familiar with the program.

3) Status of challenge resolutions & potential project impact

- We all currently have the program downloaded and ready for our next lab but are still unaware what our Capstone project is exactly.

4) Project status & summary

- Dr. Scott could not make it to the dinner and hasn't let us know when we can meet with him, but we have been communicating through email which helps us know what is expected of us right now.
- We are still meeting weekly as a group and working effectively together. We are all caught up on labs and are ready to learn the next step. We still don't fully understand what our project is, but we are learning the basics to be able to complete it.