

Project Status Report: CPST-0 16

Report Date: 11/22/2021

Team Members: Jordan McInelly, Israel Rivera, Joseph Stout

Project Title: Cold Plate Challenge from Raytheon

1) Summary of technical/non-technical challenges encountered

- We learned more about the Abaqus finite element analysis program through our most recent lab given to us by Dr. Scott. We still have not been able to meet Dr. Scott in person which has been a challenge.
- We sent an email because asking about the scope of our project and he was able to send us new information.

2) Team approaches & resolutions to overcome challenges

- Dr. Scott has a Coreform module where we can find our labs and last week's lab was to answer questions regarding how to use Abaqus. We also had to answer a few questions regarding different types of test. This was helpful in overcoming our challenge of not knowing how to use the program. We are slowly growing familiar with the program.
- We now know that we will be required 40 hours per month starting in January in order to complete this project.

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 is exactly
- We are still working on the last lab because we did not understand.
- Our next step is to meet with Dr. Scott in late January to receive our project.

4) Project status & summary

- We have been communicating with Dr. Scott 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 now understand a few more expectations for next semester and are ready to get going.

Please enter # of hours spent on project this last week for each team member in the order listed above