PROJECT STATUS REPORT
NORTHROP GRUMMAN – QUANTUM AI AT THE EDGE
AS OF: 10/31/2021

PROJECT STATUS SUMMARY   Percent Complete: 8%

Scope	Schedule	Cost	Risks	Quality

Risks

The sponsor has communicated that this project is fully R&D and exploratory by nature. There is a high probability that the project will not actually work. However, we will certainly be doing our best. If the quantum piece fails to show improvements over traditional models, then traditional models will be used for inference on the emulator.

WORK PLANNED FOR LAST WEEK

We are now effectively postured to start working on requirements. We have a Google Doc that we are working on as a team and have identified three valid use cases. We are also currently brainstorming additional use cases and potential requirements. Last, we are still working to setup Vitas and Xilinx. Once these are setup, we will begin familiarizing ourselves with the more nuanced elements of the technology stack.

WORK COMPLETED LAST WEEK

We planned out our requirements and have almost completed three use cases for our project. Additionally, we also began brainstorming ideas for our presentation. We have setup a google slides template presentation and are meeting regularly as a team to come up with slides, talking points, and practice our presentation timing. We have one remaining use case for our project that we are currently tidying up. Once that is complete we will be turning in our requirements document.

WORK PLANNED FOR NEXT WEEK

We are finalizing our requirements document with the final use case. Additionally, we will continue to meet regularly as a team to come up with slides, talking points, and practice our presentation timing. Once our final use case if tidied up we will upload it for submission.

OPEN ISSUES

- Similar to last week, we will now be working to setup the supplemental development environments Vitas and Xilinx on everyone's personal computers. We are also continuing meet regularly to plan our project presentation and practice our presentation delivery.

DELIVERABLES AND MILESTONES

Milestone	WBS	Planned	Forecasted	Actual	Status
Initial development environments	002	10/11/2021	10/11/2021	10/12/2021	Complete
Supplemental development environments	004	10/30/2021	10/30/2021	10/31/2021	Complete
Setup Vitas and Xilinx	006	10/21/2021	11/15/2021	TBD	Incomplete
Deliverable	WBS	Planned	Forecasted	Actual	Status
Setup git branches	003	10/3/2021	10/3/2021	10/3/2021	Complete
Project Charter Updates	001	10/14/2021	10/15/2021	10/14/2021	Complete
Requirements Document	005	10/21/2021	11/08/2021	TBD	Incomplete
First Use Case	007	10/21/2021	10/24/2021	10/24/2021	Complete

OPEN CHANGE REQUESTS

Change Request Name	Change Request Number	Request Date	Current Status
NA			
NA			

KEY PERFORMANCE INDICATORS (KPI'S)

Schedule - Project is on schedule
Schedule Variance (SV):   +/- 3 days

Cost - Project is on budget
Cost Variance (CV): $0