PROJECT STATUS REPORT
NORTHROP GRUMMAN – QUANTUM AI AT THE EDGE
AS OF: 10/24/2021

PROJECT STATUS SUMMARY   Percent Complete: 6%

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 planned to work out the initial deliverables and requirements of our of project. As well as setting up the next stage of development environments such as Vitas and Xilinx on everyone's personal computers. as well as working out the initial requirements of our project.

- Continue to review novel research papers provided by the sponsor.
- Continue to read documentation surrounding the technology stack.
- Setup the supplemental development environments Vitas and Xilinx on everyone's personal computers.

WORK COMPLETED LAST WEEK

We made the appropriate changes to our project charter. The updated project charter incorporates the feedback provided by both our TA and our Project Sponsor. The Project Sponsor has approved the Project Charter and we have updated Kirby our TA. Additionally, we also posted the approval email to the Github Repository. Last, everyone development environments are now fully setup on the personal machines. We are now effectively postured to start working on requirements.

WORK PLANNED FOR NEXT 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.

OPEN ISSUES

- We will now be working to setup the supplemental development environments Vitas and Xilinx on everyone's personal computers. We are also continuing to brainstorm and develop our requirements and use cases.

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	TBD	Incomplete
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	TBD	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):   +/- 2 days

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