PROJECT STATUS REPORT
NORTHROP GRUMMAN – QUANTUM AI AT THE EDGE
AS OF: 10/3/2021

PROJECT STATUS SUMMARY   Percent Complete: 2%

Scope	Schedule	Cost	Risks	Quality

Scope: There is a comprehensive technology stack involved in running quantum AI classifiers on the Google and IBM simulators. There stack is then compounded by having to then take these models and reimplement them on embedded and edge node platforms. As a result, there is a steep learning curve and one that is easily susceptible to scope creep. A significant portion of this project will be spent simply reading documentation and doing tutorials.

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.

WORK PLANNED FOR LAST WEEK
The work planned for last week was as follows:
- Continue to review novel research papers provided by the sponsor.
- Continue to read documentation surrounding the technology stack.
- Setup a working development environment on each team members computer.
- Setup git branches for each team member.
- Finalize and upload project charter
- Finalize and upload time sheets

WORK COMPLETED LAST WEEK
Last week we finalized the project charter as well as the time sheets and successfully uploaded them to our project repository. The team also continues to familiarize themselves with all the necessary SDK's and libraries required for the project.

WORK PLANNED FOR NEXT WEEK
The team is still working to get working development environments setup on everyone's respective machines. The team is also still working to complete the necessary tutorials provided the sponsor to begin working on the project code and quantum simulators. The work planned for next week is as follows:
- Continue to review novel research papers provided by the sponsor.
- Continue to read documentation surrounding the technology stack.
- Setup a working development environment on each team members computer.

OPEN ISSUES

Some team members have had trouble setting up the development environment due to storage limitations, conflicting dependencies, and conflicting versioning. We will continue to debug and troubleshoot until everyone has a working development environment.

DELIVERABLES AND MILESTONES

Milestone	WBS	Planned	Forecasted	Actual	Status
Project Charter	001	10/3/2021	10/3/2021	10/3/2021	Completed
Development environments	002	10/11/2021	10/11/2021	TBD	On Schedule
Deliverable	WBS	Planned	Forecasted	Actual	Status
Setup git branches	003	10/3/2021	10/3/2021	10/3/2021	Completed

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):   +/- 1 days

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