**Project Status Report**

**Northrop Grumman – Quantum AI AT The Edge**

**As Of: 10/18/2021**

**Project Status Summary**  Percent Complete: 5%

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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

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.
* Some members are still having issues setting up the development environment we’ll continue to debug and troubleshoot.
* Update project charter to incorporate TA and Sponsor feedback.

# 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. We expect the Project Sponsor to fully sign off on our project charter this week. Additionally, we have now completed the initial development environment setups for everyone in the group. We have also decided to go with an Agile/Kanban hybrid approach given the dynamic and exploratory nature of our project.

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# Work Planned For Next Week

We plan 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.

# Open Issues

* Initial development environments are now fully setup. We will now be working to setup the supplemental development environments Vitas and Xilinx on everyone’s personal computers.

# Deliverables and Milestones

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Milestone | WBS | Planned | Forecasted | Actual | Status |
| Initial development environments | 002 | 10/11/2021 | 10/11/2021 | 10/12/2021 | Completed |
| Supplemental development environments | 004 | 10/30/2021 | 10/30/2021 | TBD | Incomplete |
| Deliverable | WBS | Planned | Forecasted | Actual | Status |
| Setup git branches | 003 | 10/3/2021 | 10/3/2021 | 10/3/2021 | Completed |
| Project Charter Updates | 001 | 10/14/2021 | 10/15/2021 | 10/14/2021 | 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): +/- 2 days

**Cost** - Project is on budget

Cost Variance (CV): $0