**Project Status Report**

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

**As Of: 12/06/2021**

**Project Status Summary**  Percent Complete: 13%

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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 practiced our timing with each of our talking points. We then delivered a concise and succinct presentation. Last week focused on buttoning up the remaining milestones and assignments concerning our project. Ultimately, the work we planned for last week was simply wrapping everything that was necessary to close out the fall semester on a good note.

# Work Completed Last Week

We finalized our slides for our project summary presentation and then recorded and uploaded our video presentation to the google drive folder. Additionally, we finalized our requirements document and completed our project plan Gantt chart using free project management software called Click Up. We met one last time with Kirby our TA to discuss how to best wrap the end of the semester. We also updated the project sponsor letting him know that we are about to begin winter break and will be kicking off the spring semester with our high-level solution design.

# Work Planned For Next Week

We do not have any work planned for next week because it is finals week and then winter break right after. We will begin our high-level solution design as a soon as we return from winter break.

# Open Issues

* They are currently no open issues.

# 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 | 1/15/2021 | 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 | 11/15/2021 | Complete |
| 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