**Project Status Report**

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

**As Of: 11/07/2021**

**Project Status Summary**  Percent Complete: 10%

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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.

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# Work Planned for Last Week

We are finalized our requirements document with the final use case. Additionally, we continued meeting 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.

# Work Completed Last Week

We continue to brainstorm 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. Now that the requirements document is close to being finalized, we will be diverting all of our focus and energy to the group presentation.

# Work Planned For Next Week

We are still fleshing out our final use case. We expect it to be done this week. Once the final use case is wrapped up we will be directing all of our attention toward putting together a rock solid presentation for our group project. Everyone in the group finds the project remarkable and is excited to present our project to the class.

# Open Issues

* We continue to meet regularly to plan our project presentation and practice our presentation delivery. We are also wrapping up our final use case. We didn’t get to complete it last week because of major project and homework deadlines in other classes.

# 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 | 12/01/2021 | 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