

**PROJECT STATUS REPORT**  
**NORTHROP GRUMMAN – QUANTUM AI AT THE EDGE**  
**AS OF: 01/31/2022**

**PROJECT STATUS SUMMARY**

Percent Complete: 15%

Scope	Schedule	Cost	Risks	Quality
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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 have obtained the dataset we will be using for the project and made it available to every team member. Additionally, we are planning our UML solution design diagram as we start laying the groundwork for our project and solution implementation.

**WORK COMPLETED LAST WEEK**

We met with Kirby and decided to split into two larger teams instead of pairing off. This way we can have one team working on the classical ML model and another team working on the Quantum ML model. We also finalized the development environments team-wide.

**WORK PLANNED FOR NEXT WEEK**

We are going to start digging into our data as well as continuing our solution design. Now that we have two teams, one for each model, we will begin working on a high level solution design for both the classical ML model and the Quantum ML model.

**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	006	10/21/2021	1/15/2021	1/14/2021	Complete
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): +/- 2 days

**Cost** - Project is on budget

Cost Variance (CV): \$0