

# PROJECT STATUS REPORT

## PREDICTING DEFECTS IN PARTS MADE VIA ADDITIVE MANUFACTURING

### AS OF: 3/25/2024

#### PROJECT STATUS SUMMARY

Percent Complete: ~70%

Scope	Schedule	Cost	Risks	Quality
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**Schedule:** The project is proceeding on schedule. We are still on track to finish the hole analysis algorithm by the end of the semester, but it is taking a bit longer than expected due to some difficult mathematical work. AWS implementation is going well and is also on track to be finished by end of semester.

**Risks:** N/A – no risks as of yet.

#### WORK PLANNED FOR LAST WEEK

Last week, the plan was to work on the cloud architecture (particularly continuing to build out the implementation on AWS and work on auto-deployment from repositories) and try to finish the hole depth algorithm.

#### WORK COMPLETED LAST WEEK

During last week's meeting times and offline we:

- Made more progress on cloud architecture plans and began implementation once account credentials arrived
- Made more progress on algorithm implementation – math and code is completely implemented for hole depth, hole diameter math is implemented and final code is pending.

#### WORK PLANNED FOR NEXT WEEK

This upcoming week, we are:

- Spring break

#### OPEN ISSUES

N/A

#### DELIVERABLES AND MILESTONES

This section is a table which shows the status of milestones and deliverables.

The first column is for the name of the Milestone or Deliverable from the project plan. The next column is the WBS unique ID number. This ties it to the milestone/deliverable in the project

plan. The “Planned” column is the planned completion date according to the baseline. The “Forecasted” column is the expected completion date for this item. The “Actual” column is the actual date the milestone/deliverable was completed. The “Status” column is a simple one or two word phrase such as; “Completed”, “On Schedule”, “Late”, “Accepted”, etc.

Milestone	WBS	Planned	Forecasted	Actual	Status
Set-up VMs		10/02/23		10/7/23	Complete
Implement shrinking sphere		11/09/23		11/13/23	Complete
Offline visualization		11/09/23		11/13/23	Complete
Deliverable	WBS	Planned	Forecasted	Actual	Status
Shrinking sphere optimization		12/23			Delivered
Offline visualization optimization		12/23			Delivered
Hole depth algorithm implementation		3/24			In Progress
Cloud hosting of project		4/24			In progress

## OPEN CHANGE REQUESTS

Use this section to track all changes to the project scope and report the status of those changes. Tracking of changes starts with the request for the change, tracks the approval status and ends when the change is added to the project, the project plan and schedule have been updated and the change has become integrated into the project.

Change Request Name	Change Request Number	Request Date	Current Status
Investigate polygon resolution heuristic feature	1	11/1/24	Complete
Drag/drop files for visualization	2	1/17/24	Done

## KEY PERFORMANCE INDICATORS (KPI'S)

Many executives turn right to this section as it provides a clear summary of the status of the project according the progress metrics. You should limit the metrics displayed to the most important. You want to avoid providing the same information in different formats. Fewer is better.

**Schedule** - Project is **On** Schedule  
 Schedule Variance (SV): +/- 7 days

**Cost** - Project is **On** Budget  
Cost Variance (CV): \$0