

PROJECT STATUS REPORT

PREDICTING DEFECTS IN PARTS MADE VIA ADDITIVE MANUFACTURING

AS OF: 11/13/2023

PROJECT STATUS SUMMARY

Percent Complete: ~35%

| Scope | Schedule | Cost | Risks | Quality |
|-------|----------|------|-------|---------|
|-------|----------|------|-------|---------|

Schedule: The project is proceeding on schedule. Shrinking sphere is pending initial POC completion and visualization research has begun turning into implementation.

Risks: N/A – no risks as of yet.

WORK PLANNED FOR LAST WEEK

Last week, the plan was to continue shrinking sphere implementation and begin visualization implementation.

WORK COMPLETED LAST WEEK

During last week's meeting times and offline we:

- Finished preliminary implementations of both the visualization and part thickness algorithms.

WORK PLANNED FOR NEXT WEEK

This upcoming week, we are:

- Working on optimization

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 | | | On schedule |
| Offline visualization optimization | | 12/23 | | | On schedule |
| | | | | | |

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 | Pending research & prioritization |
| | | | |

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